

1997 Year-End Index, Volumes 136-144

- ablation** 143(1-4) 81-102
- absolute age** *see also* C-14; K/Ar; uranium disequilibrium
Belize 144(4) 333-347
abyssal fans *see* submarine fans
- accretionary wedges**
Atlantic Ocean, ocean floors 140(1-2) 117-140
Caribbean region, Quaternary 136(3-4) 225-243
Mediterranean Sea, ocean floors 138(3-4) 237-259
Pakistan 136(1-2) 55-77
Taiwan, plate tectonics 137(3-4) 305-319
- acoustic methods** *see* acoustical methods
- acoustical logging**
Atlantic Ocean 140(3-4) 415-426
Indian Ocean 140(3-4) 415-426
- acoustical methods** *see also* deep-tow methods; echo sounding; GLORIA
continental shelf 137(3-4) 227-249; 137(3-4) 251-269
engineering geology 137(3-4) 287-304
natural gas 137(1-2) 165-189; 140(3-4) 427-455
ocean floors 140(1-2) 117-140
plate tectonics 137(3-4) 305-319
polymetallic ores 140(1-2) 167-181
Quaternary 140(3-4) 265-282
- acoustical properties**
Florida, diagenesis 144(1-3) 9-31
Germany, marine geology 137(1-2) 137-147
- active faults**
Turkey, Quaternary 140(1-2) 183-199
- active margins**
Atlantic Ocean, ocean floors 140(1-2) 117-140
California, continental shelf 137(3-4) 251-269
Japan, geochemistry 144(1-3) 211-228
active tectonics *see* neotectonics
actual age (absolute age) *see* absolute age
- Aegean Plate**
ocean floors 138(3-4) 237-259
- Aegean Sea**
Quaternary 140(3-4) 391-403
- Aegion earthquake 1995**
engineering geology 137(3-4) 287-304
- Aeolian Islands** *see* Lipari Islands
- Afanasiy-Nikitin Seamount**
Neogene 136(3-4) 299-315
- Africa** *see also* Central Africa; Southern Africa
Congo River 140(3-4) 283-306
- African Plate**
Mediterranean Sea, ocean floors 138(3-4) 237-259
- Ag** *see* silver
- Al Mansour Seamount**
plate tectonics 144(4) 275-294
- Alaska**
137(1-2) 25-40
Quaternary 140(3-4) 307-327; 143(1-4) 5-37
- Alboran Sea**
plate tectonics 144(4) 275-294
- algae**
diatoms 136(3-4) 320-321
Antarctic Ocean 138(1-2) 27-50
England 136(1-2) 97-120
Papua New Guinea 142(1-4) 189-195
Spain 144(1-3) 117-130
Turkey 138(1-2) 119-126
Ukraine 138(1-2) 119-126
- algal mats**
Polynesia, geochemistry 139(1-4) 201-217
- Algarve**
shore features 141(1-4) 147-156
alkali basalts *see* hawaiite; mugearite; trachybasalts
alkaline earth metals *see* calcium
alkanes *see* ethane; methane; n-alkanes
- Alpha Cordillera**
geochemistry 138(1-2) 149-169
- Amazon River**
geochemistry 139(1-4) 123-145
- ammonia compound**
geochemistry 139(1-4) 109-122
- amplitude-versus-offset analysis** *see* AVO methods
- Andalusia Spain** *see* Huelva Spain
- andesites**
Papua New Guinea 142(1-4) 99-117
West Pacific Ocean Islands, ocean floors 136(1-2) 21-39
- Andhra Pradesh India**
Quaternary 138(3-4) 261-271
- Angola** *see* Congo River
- Antarctic Circumpolar Current**
ocean floors 138(1-2) 27-50
- Antarctic Ocean**
141(1-4) 91-109
ocean floors 138(1-2) 27-50
Quaternary 140(3-4) 265-282
- Antarctic Peninsula**
141(1-4) 91-109
Quaternary 143(1-4) 103-123
- Antarctica**
Antarctic Peninsula 141(1-4) 91-109
Quaternary
Antarctic Peninsula 143(1-4) 103-123
King George Island 140(3-4) 265-282
- Anthozoa**
Belize 144(4) 333-347
Hawaii, Quaternary 141(1-4) 11-25
Norway 137(1-2) 159-164
Queensland Australia, Quaternary 141(1-4) 193-207
- Antong Java Rise** *see* Ontong Java Plateau
- apatite**
India, sedimentary petrology 136(1-2) 41-53
Polynesia, geochemistry 139(1-4) 201-217
- apatite ores** *see* phosphate deposits
- Arabian Sea**
136(1-2) 55-77
Quaternary 136(1-2) 79-95
Indus Fan 138(3-4) 193-236
sedimentary petrology 136(1-2) 41-53
tectonophysics, Indus Fan 141(1-4) 221-235
- archaeological sites**
England, Quaternary 140(3-4) 405-413

arches

- Norway 144(1-3) 33-57
- arcs, island *see* island arcs

Arctic Archipelago

- Quaternary 143(1-4) 151-167

Arctic Ocean

- Beaufort Sea 137(1-2) 25-40
- geochemistry 138(1-2) 11-25
- Alpha Cordillera 138(1-2) 149-169
- Beaufort Sea 139(1-4) 123-145; 144(4) 255-273
- Norwegian Sea 140(1-2) 61-73
- Norwegian Sea 137(1-2) 159-164
- ocean floors, Norwegian Sea 143(1-4) 207-221
- Quaternary
 - Barents Sea 143(1-4) 189-205
 - Kara Sea 143(1-4) 169-188
 - Yermak Plateau 144(1-3) 147-162
- Voring Plateau 144(1-3) 33-57

Arctic region *see also* Greenland

- Quaternary 143(1-4) 169-188

Arctic Sea *see* Arctic Ocean**asbestos deposits**

- France, shore features 144(1-3) 163-175

ash falls

- Pacific Ocean, geochemistry 140(1-2) 75-96

Asia *see also* Far East; Indian Peninsula;**Middle East****hydrology**

- Lake Baikal 139(1-4) 5-19
- Siberia 139(1-4) 5-19

marine geology

- Brahmaputra River 144(1-3) 81-96
- Ganges River 144(1-3) 81-96

Quaternary

- Lake Baikal 139(1-4) 21-46
- Siberia 139(1-4) 21-46

sea water, Paramushir 136(3-4) 259-276**Atlantic Coastal Plain *see* Chesapeake Bay;****Middle Atlantic Bight; Virginia****Atlantic Ocean *see also* North Atlantic**

- 140(3-4) 283-306; 140(3-4) 415-426
- continental shelf 137(3-4) 227-249
- geochemistry 136(1-2) 1-19; 144(1-3) 191-210
- Gulf of Saint Lawrence 139(1-4) 181-200

marine geology 141(1-4) 27-50**ocean circulation 144(1-3) 117-130****ocean floors**

- Barbados Ridge 140(1-2) 117-140
- Falkland Plateau 138(1-2) 27-50
- Romanche fracture zone 136(3-4) 245-257

- Quaternary 136(3-4) 189-207; 136(3-4) 225-243; 140(1-2) 141-166; 143(1-4) 137-149; 144(1-3) 177-189

Frobisher Bay 143(1-4) 151-167**Gulf of Saint Lawrence 143(1-4) 125-135****Reykjanes Ridge 136(3-4) 209-224****Sable Island Bank 141(1-4) 157-181****Scotian Shelf 141(1-4) 157-181****Atlantic-type margins *see* passive margins****Atlantis II Deep 144(4) 311-330; 144(4) 331-332****atmosphere**

- United Kingdom, natural gas 137(1-2) 165-189; 140(3-4) 427-455

atolls

- Polynesia, geochemistry 139(1-4) 201-217

Au *see* gold**Auckland New Zealand 144(1-3) 97-116****Aure thrust belt**

- petroleum 137(1-2) 109-120

Australasia *see* New Zealand; Papua New Guinea**Australia *see* New South Wales Australia; Queensland Australia****AVO methods**

- Alaska 137(1-2) 25-40
- Oregon 137(1-2) 25-40

avulsion

- New Zealand, Quaternary 138(1-2) 69-90

back-arc basins

- Coral Sea, geochemistry 142(1-4) 7-45; 142(1-4) 57-83
- Pacific Ocean
 - geochemistry 142(1-4) 47-56
 - ocean floors 142(1-4) 197-206

backscattering

- Indian Ocean, tectonophysics 140(3-4) 237-248
- Newfoundland, Quaternary 143(1-4) 125-135

bacteria

- California, geochemistry 138(1-2) 1-9
- Denmark, geochemistry 138(1-2) 1-9
- geochemistry 137(1-2) 13-23
- Netherlands, geochemistry 137(1-2) 5-12
- Pacific Ocean, geochemistry 142(1-4) 47-56

Baffin Island

- Quaternary 143(1-4) 151-167

Baikal (Lake) *see* Lake Baikal**Baltic Sea**

- 140(1-2) 97-115
- geochemistry 137(3-4) 201-205; 138(1-2) 1-9
- marine geology, Kiel Bay 137(1-2) 137-147

Bangladesh *see* Brahmaputra River; Ganges River**Banks Peninsula**

- Quaternary 138(1-2) 69-90

Barbados Ridge

- ocean floors 140(1-2) 117-140

Barents Sea

- Quaternary 143(1-4) 189-205

barite

- Papua New Guinea, geochemistry 142(1-4) 119-141

barrier bars *see* longshore bars**barrier islands**

- Louisiana 136(3-4) 131-149
- shore features 140(3-4) 347-365

bars *see* longshore bars**basalts *see* alkali basalts; lava; mid-ocean ridge basalts; ocean-island basalts****basement tectonics**

- India, tectonophysics 141(1-4) 221-235

basins *see also* back-arc basins; fore-arc basins; foreland basins

- California, Quaternary 138(3-4) 171-192
- geochemistry 139(1-4) 219-229
- Mediterranean Sea, plate tectonics 144(4) 275-294
- Red Sea 144(4) 311-330

Taiwan, plate tectonics 137(3-4) 305-319**Turkey, Quaternary 140(1-2) 183-199****bathymetric maps**

- Pakistan, Quaternary 138(3-4) 193-236

Bay of Bengal

- 136(3-4) 151-172; 140(1-2) 201-217; 141(1-4) 125-145
- marine geology 144(1-3) 81-96
- Quaternary 138(3-4) 261-271

bays

- Chile, Quaternary 143(1-4) 103-123

Be-10

- Arctic Ocean, Quaternary 144(1-3) 147-162

beach profiles

- North Carolina, shore features 140(1-2) 1-24

beach ridges

- Mexico, Quaternary 136(1-2) 121-130
- New Zealand, Quaternary 144(1-3) 229-252

beach rock *see* beachrock**beaches *see also* beach profiles; shorelines**

- New South Wales Australia 138(1-2) 91-103
- Portugal, shore features 141(1-4) 147-156

beachrock

- France, shore features 144(1-3) 163-175
- Italy, Quaternary 141(1-4) 61-70

Beaufort Sea

- 137(1-2) 25-40
- geochemistry 139(1-4) 123-145; 144(4) 255-273

bed-load *see* bedload**bedded volcano *see* stratovolcanoes**

bedding plane irregularities *see* ripple marks; sand ridges; scour marks

bedforms

China, ocean circulation 137(3-4) 321-330
India, Quaternary 136(1-2) 79-95

bedload

Bangladesh, marine geology 144(1-3) 81-96
India, marine geology 144(1-3) 81-96
Northwest Territories, geochemistry 144(4) 255-273
Nova Scotia 141(1-4) 157-181

Belize 144(4) 333-347

Bengal Fan 140(1-2) 201-217; 141(1-4) 125-145

Benguela Current 140(3-4) 283-306

Berlin Germany

hydrology 139(1-4) 61-75

beryllium

Be-10, Arctic Ocean 144(1-3) 147-162

biochemical sedimentation

California, Quaternary 138(3-4) 171-192
geochemistry 139(1-4) 109-122
Norway 136(3-4) 173-187
Russian Federation, hydrology 139(1-4) 5-19

bioclastic sedimentation

Atlantic Ocean, Quaternary 136(3-4) 189-207
California, Quaternary 138(3-4) 171-192
Namibia, geochemistry 144(1-3) 191-210
New Zealand, Quaternary 140(3-4) 249-263
Pacific Ocean, geochemistry 144(4) 295-309
Spain 144(1-3) 117-130
Virginia 141(1-4) 27-50

biodegradation

137(1-2) 69-80

biogenic structures *see* algal structures; bioturbation

biomarkers

Arctic Ocean, geochemistry 138(1-2) 11-25

biostratigraphy *see also* paleoecology

Antarctic Ocean, ocean floors 138(1-2) 27-50
England, Quaternary 136(1-2) 97-120
New Jersey, Quaternary 143(1-4) 137-149
Papua New Guinea, Quaternary 142(1-4) 171-187

bioturbation

Virginia, marine geology 141(1-4) 27-50

Bismarck Sea

geochemistry 142(1-4) 7-45; 142(1-4) 47-56; 142(1-4) 57-83
ocean floors 142(1-4) 197-206; 142(1-4) 207-209
Quaternary 142(1-4) 171-187
bitter spar *see* dolomite

Bivalvia

India, Quaternary 138(3-4) 261-271

Black Sea

ocean floors 137(1-2) 121-136
Quaternary 138(1-2) 119-126; 140(1-2) 183-199; 140(3-4) 391-403

bloating shale *see* shale

body waves *see* P-waves; S-waves

Bombay India

Quaternary 136(1-2) 79-95

book reviews

136(3-4) 319; 136(3-4) 320-321
sedimentary structures 136(3-4) 317-319
borderland, continental *see* continental borderland

Bosporus

Quaternary 138(1-2) 119-126; 140(1-2) 183-199

bottom currents

Antarctic Ocean, ocean floors 138(1-2) 27-50
Atlantic Ocean, Quaternary 144(1-3) 177-189
Norway, ocean waves 136(3-4) 173-187
Pacific Ocean, geochemistry 144(4) 295-309

bottom features *see also* hydrothermal

vents; mid-ocean ridges; sand ridges; seamounts; submarine canyons; submarine volcanoes; trenches

Antarctic Ocean, Quaternary 140(3-4) 265-282

Atlantic Ocean, ocean floors 140(1-2) 117-140

Black Sea, ocean floors 137(1-2) 121-136
California, continental shelf 137(3-4) 251-269

Greenland, ocean floors 143(1-4) 207-221
Indian Ocean, ocean floors 140(1-2) 219-229

New Zealand, continental slope 138(1-2) 51-67

North Sea, energy sources 137(1-2) 41-47
Norway 144(1-3) 33-57

Russian Federation, Quaternary 143(1-4) 169-188

Turkey, Quaternary 140(3-4) 391-403

bottom load *see* bedload

bottom-simulating reflectors

Alaska 137(1-2) 25-40
New Zealand, continental margin 141(1-4) 209-220

Oregon 137(1-2) 25-40

Russian Federation, sea water 136(3-4) 259-276

boulders

Queensland Australia, Quaternary 141(1-4) 193-207

box models

Mediterranean Sea, Quaternary 140(3-4) 231-236

Brahmaputra River

marine geology 144(1-3) 81-96

Brandenburg Germany *see* Berlin Germany

Brazil *see also* Amazon River

Quaternary
Parana Brazil 140(1-2) 141-166
Sao Paulo Brazil 140(1-2) 141-166

brines

Red Sea 144(4) 311-330; 144(4) 331-332
British Honduras *see* Belize

Braun rule

shore features 140(3-4) 347-365

Bulinacea *see* Uvigerinidae

burial diagenesis

geochemistry 139(1-4) 219-229
Newfoundland, geochemistry 139(1-4) 181-200
Quebec, geochemistry 139(1-4) 181-200

C *see* carbon

C-13/C-12

Arctic Ocean, geochemistry 140(1-2) 61-73

Atlantic Ocean, Quaternary 144(1-3) 177-189

Brazil, geochemistry 139(1-4) 123-145

Louisiana, geochemistry 139(1-4) 123-145

New Zealand

continental slope 138(1-2) 51-67
Quaternary 140(3-4) 249-263

Newfoundland, geochemistry 139(1-4) 181-200

Northwest Territories, geochemistry 139(1-4) 123-145

Norway

natural gas 137(1-2) 69-80
petroleum 137(1-2) 81-108

Papua New Guinea, petroleum 137(1-2) 109-120

Quebec, geochemistry 139(1-4) 181-200

C-14

Brazil, Quaternary 140(1-2) 141-166

Coral Sea 142(1-4) 143-170

England, Quaternary 136(1-2) 97-120
geochemistry 137(1-2) 13-23

India, Quaternary 136(1-2) 79-95; 138(3-4) 261-271

Mediterranean Sea, Quaternary 140(3-4) 231-236

New Jersey, Quaternary 143(1-4) 137-149

New South Wales Australia, Quaternary 141(1-4) 1-9

New Zealand, Quaternary 138(1-2) 69-90; 138(1-2) 105-117; 144(1-3) 229-252

Papua New Guinea, Quaternary 142(1-4) 171-187

- Queensland Australia, Quaternary 141(1-4) 193-207
- Russian Federation, Quaternary 143(1-4) 169-188
- Ca** *see* calcium
- cadmium**
- Arctic Ocean, geochemistry 140(1-2) 61-73
- Cainozoic *see* Cenozoic
- Cairns Australia**
- Quaternary 141(1-4) 193-207
- Calabria Italy**
- Quaternary 141(1-4) 61-70
- calcium**
- Arctic Ocean, geochemistry 140(1-2) 61-73
- Namibia, geochemistry 144(1-3) 191-210
- calcium carbonate**
- New Zealand, Quaternary 140(3-4) 249-263
- California** *see also* California Current; San Nicolas Basin
- continental shelf 137(3-4) 251-269
- geochemistry 138(1-2) 1-9
- Tomales Bay 139(1-4) 157-180
- California Current**
- California, Quaternary 138(3-4) 171-192
- Canada** *see also* Eastern Canada; Northwest Territories
- geochemistry, Mackenzie District Northwest Territories 139(1-4) 123-145; 144(4) 255-273
- Quaternary, Baffin Island 143(1-4) 151-167
- Cananea Brazil**
- Quaternary 140(1-2) 141-166
- Canterbury New Zealand**
- Quaternary 138(1-2) 69-90
- Cape Corse**
- shore features 144(1-3) 163-175
- carbon**
- C-13/C-12
- Arctic Ocean 140(1-2) 61-73
- Atlantic Ocean 144(1-3) 177-189
- Brazil 139(1-4) 123-145
- Louisiana 139(1-4) 123-145
- New Zealand 138(1-2) 51-67; 140(3-4) 249-263
- Newfoundland 139(1-4) 181-200
- Northwest Territories 139(1-4) 123-145
- Norway 137(1-2) 69-80; 137(1-2) 81-108
- Papua New Guinea 137(1-2) 109-120
- Quebec 139(1-4) 181-200
- C-14
- Brazil 140(1-2) 141-166
- Coral Sea 142(1-4) 143-170
- England 136(1-2) 97-120
- geochemistry 137(1-2) 13-23
- India 136(1-2) 79-95; 138(3-4) 261-271
- Mediterranean Sea 140(3-4) 231-236
- New Jersey 143(1-4) 137-149
- New South Wales Australia 141(1-4) 1-9
- New Zealand 138(1-2) 69-90; 138(1-2) 105-117; 144(1-3) 229-252
- Papua New Guinea 142(1-4) 171-187
- Queensland Australia 141(1-4) 193-207
- Russian Federation 143(1-4) 169-188
- geochemistry 139(1-4) 219-229
- Namibia, geochemistry 144(1-3) 191-210
- New York, hydrology 139(1-4) 47-59
- organic carbon
- Arctic Ocean 138(1-2) 11-25
- Brazil 139(1-4) 123-145
- California 138(1-2) 1-9; 138(3-4) 171-192
- Denmark 138(1-2) 1-9
- France 137(3-4) 271-286
- Louisiana 139(1-4) 123-145
- Mediterranean Sea 141(1-4) 51-60
- North Sea 144(1-3) 131-146
- Northwest Territories 139(1-4) 123-145; 144(4) 255-273
- Norway 136(3-4) 173-187
- carbon dioxide**
- Atlantic Ocean, Quaternary 144(1-3) 177-189
- New Zealand, Quaternary 140(3-4) 249-263
- Norway, natural gas 137(1-2) 69-80
- Pacific Ocean, geochemistry 142(1-4) 47-56
- Papua New Guinea, petroleum 137(1-2) 109-120
- carbon monoxide**
- geochemistry 137(1-2) 13-23
- carbon-14** *see* C-14
- carbonate platforms**
- Atlantic Ocean, ocean floors 136(3-4) 245-257
- Belize 144(4) 333-347
- carbonate rocks *see* beachrock; limestone
- carbonate sediments** *see also* carbonates
- California, Quaternary 138(3-4) 171-192
- Coral Sea 142(1-4) 143-170
- Pacific Ocean 144(1-3) 1-8
- carbonates** *see also* dolomite
- Pakistan 136(1-2) 55-77
- Polynesia, geochemistry 139(1-4) 201-217
- carbonatization *see* dolomitization
- Caribbean region *see* West Indies
- Caribbean Sea** 144(4) 333-347
- carst *see* karst
- Cat Island Pass** 136(3-4) 131-149
- Catalonia Spain** 144(1-3) 59-79
- Cd** *see* cadmium
- Cenozoic** *see also* Quaternary; Tertiary
- Angola 140(3-4) 283-306
- Antarctic Ocean 141(1-4) 91-109
- Arctic Ocean 138(1-2) 149-169
- Mediterranean Sea 141(1-4) 51-60
- Norway 144(1-3) 33-57
- Pacific Ocean 144(4) 295-309
- centers, spreading *see* spreading centers
- Central Africa *see* Angola; Congo River
- Central America *see* Belize
- Central Europe *see* Germany
- cesium**
- Cs-137, New Zealand 138(1-2) 105-117
- Champaign County Illinois**
- hydrology 139(1-4) 77-94
- Changjiang River *see* Yangtze River
- channels**
- Denmark 140(1-2) 25-45
- Indian Ocean 141(1-4) 125-145
- New Jersey, Quaternary 143(1-4) 137-149
- New Zealand, Quaternary 138(1-2) 69-90
- Portugal, shore features 138(1-2) 127-148
- Spain, shore features 138(1-2) 127-148
- Taiwan, plate tectonics 137(3-4) 305-319
- Chatham Rise**
- Quaternary 140(3-4) 249-263
- chemical analysis**
- geochemistry 139(1-4) 147-155; 139(1-4) 157-180
- chemical sedimentation**
- geochemistry 139(1-4) 231-240
- Hawaii, geochemistry 136(3-4) 277-297
- Indian Ocean, Neogene 136(3-4) 299-315
- Kiribati, geochemistry 136(3-4) 277-297
- Pacific Ocean, geochemistry 141(1-4) 269-285
- chemically precipitated rocks** *see also* phosphate rocks
- Hawaii 136(3-4) 277-297
- Indian Ocean, Neogene 136(3-4) 299-315
- Italy, polymetallic ores 140(1-2) 167-181
- Kiribati, geochemistry 136(3-4) 277-297
- Russian Federation, Quaternary 139(1-4) 21-46
- chemosynthesis**
- Pacific Ocean, geochemistry 142(1-4) 47-56
- Chesapeake Bay**
- marine geology 141(1-4) 27-50
- Chile**
- Quaternary 143(1-4) 103-123
- chimneys**
- New Zealand, continental slope 138(1-2) 51-67
- China** *see also* Jiangsu China; Shanghai
- China
- hydrology, Yangtze River 139(1-4) 95-108
- ocean circulation, Yangtze River 137(3-4) 321-330
- CHIRP**
- Quaternary 140(3-4) 405-413
- chlorite**
- Baltic region 140(1-2) 97-115

- Baltic Sea 140(1-2) 97-115
 Pacific Ocean, geochemistry 140(1-2) 75-96
 chloropal *see* nontronite
Cibicoides wuellerstorfi
 geochemistry 140(1-2) 61-73
Clarion fracture zone
 geochemistry 144(4) 295-309
 clastic rocks *see* contourite; porcellanite; sandstone; shale; siltstone
 clastic sediments *see* boulders; diamicton; dust; gravel; mud; ooze; sand; silt; till
clay mineralogy
 Baltic region 140(1-2) 97-115
 Baltic Sea 140(1-2) 97-115
 Caribbean region, Quaternary 136(3-4) 225-243
 Pacific Ocean, geochemistry 140(1-2) 75-96
 clay minerals *see* illite; nontronite
 cliff of displacement *see* fault scarps
cliffs
 France, shore features 144(1-3) 163-175
 climatology, paleo- *see* paleoclimatology
Clipperton fracture zone
 geochemistry 144(4) 295-309
 CO (carbon monoxide) *see* carbon monoxide
 CO₂ *see* carbon dioxide
coastal dunes
 India, Quaternary 138(3-4) 261-271
 coastal features *see* shore features
coastal sedimentation
 Brazil, geochemistry 139(1-4) 123-145
 Denmark 140(1-2) 25-45
 England 140(1-2) 47-59
 Quaternary 136(1-2) 97-120
 Louisiana 136(3-4) 131-149
 geochemistry 139(1-4) 123-145
 Mexico, Quaternary 136(1-2) 121-130
 New Zealand, Quaternary 138(1-2) 105-117
 Newfoundland, geochemistry 139(1-4) 181-200
 North Sea, geochemistry 144(1-3) 131-146
 Northwest Territories, geochemistry 139(1-4) 123-145
 Portugal, shore features 138(1-2) 127-148; 141(1-4) 147-156
 Quebec, geochemistry 139(1-4) 181-200
 Queensland Australia, Quaternary 141(1-4) 193-207
 Spain 144(1-3) 59-79; 144(1-3) 117-130
 shore features 138(1-2) 127-148
 coastlines *see* shorelines
Coelenterata
 Anthozoa
 Belize 144(4) 333-347
 Hawaii 141(1-4) 11-25
 Norway 137(1-2) 159-164
 Queensland Australia 141(1-4) 193-207
cold seeps
 Pakistan 136(1-2) 55-77
COLDSEIS
 Quaternary 143(1-4) 1-221
 colloquia *see* symposia
 columbium *see* niobium
 Commonwealth of Independent States *see* Russian Federation
 composite volcano *see* stratovolcanoes
 compressional waves *see* P-waves
computer axial tomography 138(3-4) 303-311
 computer programs *see* PHREEQE
 conferences *see* symposia
 Congo (River) *see* Congo River
Congo Fan 140(3-4) 283-306
Congo River 140(3-4) 283-306
 contemporaneous faults *see* growth faults
continental borderland
 California, Quaternary 138(3-4) 171-192
continental crust
 Mediterranean Sea 144(4) 275-294
 Papua New Guinea 142(1-4) 85-98
continental margin *see also* passive margins
 India, tectonophysics 141(1-4) 221-235
 New Zealand 141(1-4) 209-220
 Norway 144(1-3) 33-57
 Papua New Guinea, tectonophysics 142(1-4) 85-98
 Taiwan, plate tectonics 137(3-4) 305-319
continental margin sedimentation
 Angola 140(3-4) 283-306
 Antarctic Ocean 141(1-4) 91-109
 Atlantic Ocean 140(1-2) 117-140
 California 137(3-4) 251-269
 geochemistry 138(1-2) 1-9
 Denmark, geochemistry 138(1-2) 1-9
 France, geochemistry 137(3-4) 271-286
 geochemistry 139(1-4) 231-240
 Greenland 143(1-4) 207-221
 India 140(1-2) 201-217
 Japan, geochemistry 144(1-3) 211-228
 New Zealand, Quaternary 140(3-4) 249-263
 Norway 136(3-4) 173-187
 Pakistan 136(1-2) 55-77
 continental platform *see* continental shelf
continental rise
 Antarctic Ocean 141(1-4) 91-109
 India 140(1-2) 201-217
continental shelf *see also* continental margin sedimentation; ocean currents; submarine canyons
 Brazil, geochemistry 139(1-4) 123-145
 India
 Quaternary 136(1-2) 79-95
 sedimentary petrology 136(1-2) 41-53
 Louisiana 140(3-4) 329-345
 geochemistry 139(1-4) 123-145
 New Jersey, Quaternary 143(1-4) 137-149
 Northwest Territories, geochemistry 139(1-4) 123-145; 144(4) 255-273
 Russian Federation, Quaternary 143(1-4) 169-188; 143(1-4) 189-205
 Turkey, Quaternary 138(1-2) 119-126; 140(3-4) 391-403
 Ukraine, Quaternary 138(1-2) 119-126
 United Kingdom, natural gas 137(1-2) 165-189; 140(3-4) 427-455
 Virginia 137(3-4) 227-249
continental slope *see also* continental margin sedimentation; continental rise; submarine canyons
 New Zealand 138(1-2) 51-67
 continental terrace *see* continental shelf
 continental type *see* continental crust
contourite
 Antarctic Ocean, ocean floors 138(1-2) 27-50
 coral reefs *see* reefs
Coral Sea
 geochemistry, Solomon Sea 142(1-4) 7-45; 142(1-4) 57-83; 142(1-4) 119-141
 lava, Solomon Sea 142(1-4) 99-117
 Quaternary
 Great Barrier Reef 141(1-4) 193-207
 Solomon Sea 142(1-4) 171-187; 142(1-4) 189-195
 Solomon Sea 142(1-4) 143-170
 tectonophysics, Solomon Sea 142(1-4) 85-98
Corsica
 shore features 144(1-3) 163-175
CoTAM
 geochemistry 144(1-3) 191-210
 Crimea Ukraine *see* Kerch Peninsula
Cronulla Peninsula
 Quaternary 141(1-4) 1-9
crust *see also* sea-floor spreading
 continental crust
 Mediterranean Sea 144(4) 275-294
 Papua New Guinea 142(1-4) 85-98
 oceanic crust
 Atlantic Ocean 136(3-4) 245-257
 Hawaii 138(3-4) 273-301
 Indian Ocean 140(1-2) 219-229
 Pacific Ocean 137(3-4) 191-200; 137(3-4) 207-225; 141(1-4) 111-123
 Papua New Guinea 142(1-4) 85-98
crystal growth
 Baltic Sea, geochemistry 137(3-4) 201-205
 India, sedimentary petrology 136(1-2) 41-53
 Pacific Ocean, geochemistry 141(1-4) 269-285

- Crystal Lake**
hydrology 139(1-4) 77-94
- Cs-137**
New Zealand, Quaternary 138(1-2) 105-117
- CT methods** 138(3-4) 303-311; 140(3-4) 415-426
- CTD method** 144(4) 311-330; 144(4) 331-332
- Culatra Portugal**
shore features 141(1-4) 147-156
currents *see* bottom currents; ocean currents; turbidity currents
- D/H**
Papua New Guinea, petroleum 137(1-2) 109-120
- Dangerous Islands** *see* Tuamotu Islands
- Dare County North Carolina** *see* Duck North Carolina
- debris flows**
Greenland, ocean floors 143(1-4) 207-221
Northwest Territories, Quaternary 143(1-4) 151-167
West Pacific Ocean Islands, ocean floors 136(1-2) 21-39
- Deep Sea Drilling Project** *see* IPOD
- deep-sea fans** *see* submarine fans
- deep-sea sedimentation**
Antarctic Ocean 138(1-2) 27-50; 141(1-4) 91-109
Coral Sea 142(1-4) 143-170
France, geochemistry 137(3-4) 271-286
Indian Ocean 141(1-4) 125-145
Pacific Ocean, geochemistry 141(1-4) 237-268; 144(4) 295-309
Papua New Guinea, Quaternary 142(1-4) 171-187
- deep-tow methods**
Black Sea, ocean floors 137(1-2) 121-136
- deforestation**
New Zealand, Quaternary 138(1-2) 105-117
- deglaciation**
Alaska, Quaternary 140(3-4) 307-327
Labrador, Quaternary 143(1-4) 55-80; 143(1-4) 81-102
New Jersey, Quaternary 143(1-4) 137-149
Newfoundland, Quaternary 143(1-4) 55-80; 143(1-4) 81-102
Norway, Quaternary 143(1-4) 39-53
Pakistan, Quaternary 138(3-4) 193-236
Russian Federation, Quaternary 143(1-4) 169-188
- delamination**
Mediterranean Sea, plate tectonics 144(4) 275-294
- deltaic sedimentation**
Bangladesh 144(1-3) 81-96
India 140(1-2) 201-217; 144(1-3) 81-96
- Northwest Territories, geochemistry** 144(4) 255-273
- Spain** 144(1-3) 59-79
- deltas**
Greece, engineering geology 137(3-4) 287-304
Portugal, shore features 138(1-2) 127-148
Spain, shore features 138(1-2) 127-148
- Denmark** *see also* Jutland
geochemistry 138(1-2) 1-9
- density logging**
Atlantic Ocean 140(3-4) 415-426
Indian Ocean 140(3-4) 415-426
depositional fault *see* growth faults
- depressions**
India, Quaternary 136(1-2) 79-95
- detrital sedimentation**
Caribbean region, Quaternary 136(3-4) 225-243
Newfoundland, geochemistry 139(1-4) 181-200
Quebec, geochemistry 139(1-4) 181-200
- deuterium** *see* D/H
- diagenesis** *see also* dolomitization
Arctic Ocean 138(1-2) 149-169
Baltic Sea, geochemistry 137(3-4) 201-205
burial diagenesis
geochemistry 139(1-4) 219-229
Newfoundland 139(1-4) 181-200
Quebec 139(1-4) 181-200
California, geochemistry 139(1-4) 157-180
Florida 144(1-3) 9-31
France
geochemistry 137(3-4) 271-286
shore features 144(1-3) 163-175
geochemistry 137(1-2) 13-23; 139(1-4) 1-241
Mediterranean Sea, geochemistry 141(1-4) 51-60
Namibia, geochemistry 144(1-3) 191-210
Pacific Ocean, geochemistry 141(1-4) 269-285; 144(4) 295-309
Pakistan 136(1-2) 55-77
Russian Federation
hydrology 139(1-4) 5-19
Quaternary 139(1-4) 21-46
- diamicton**
Alaska, Quaternary 143(1-4) 5-37
Greenland 143(1-4) 207-221
- diapiric fold** *see* diapirs
- diapirism**
Atlantic Ocean, ocean floors 140(1-2) 117-140
Taiwan, plate tectonics 137(3-4) 305-319
- diapirs** *see* salt domes
- diatoms**
136(3-4) 320-321
- Antarctic Ocean, ocean floors** 138(1-2) 27-50
- England, Quaternary** 136(1-2) 97-120
- Papua New Guinea, Quaternary** 142(1-4) 189-195
- Spain, ocean circulation** 144(1-3) 117-130
- Turkey, Quaternary** 138(1-2) 119-126
- Ukraine, Quaternary** 138(1-2) 119-126
- diffusion** 137(1-2) 49-57; 137(1-2) 59-68
- dilatational wave** *see* P-waves
- dimethyl sulfide**
Netherlands, geochemistry 137(1-2) 5-12
- dimethylsulfoniopropionate**
Netherlands, geochemistry 137(1-2) 5-12
- Dinoflagellata**
136(3-4) 320-321
Turkey, Quaternary 138(1-2) 119-126
Ukraine, Quaternary 138(1-2) 119-126
- disconformities** *see* erosional unconformities
- Discovery Deep** 144(4) 311-330
- disposal, waste** *see* waste disposal
- District of Mackenzie** *see* Mackenzie District Northwest Territories
- dolomite**
Florida, diagenesis 144(1-3) 9-31
- dolomitization**
New Zealand, continental slope 138(1-2) 51-67
- domes** *see* diapirs
- Dong Hai** *see* East China Sea
- drainage patterns**
Turkey, Quaternary 140(1-2) 183-199
- DSDP Site 594**
Quaternary 140(3-4) 249-263
- Duck 94 field study**
shore features 140(1-2) 1-24
- Duck North Carolina**
shore features 140(1-2) 1-24
- DUFLOW**
Quaternary 141(1-4) 71-90
- dunes** *see* coastal dunes
- dust**
Atlantic Ocean, Quaternary 136(3-4) 189-207
- earthquake sea wave** *see* tsunamis
- earthquakes** *see also* geologic hazards; slope stability
New Zealand 138(1-2) 105-117
Pacific Ocean, tectonophysics 137(3-4) 207-225
- East China Sea**
ocean circulation 137(3-4) 321-330
- East Mediterranean** *see* Aegean Sea; Black Sea; Ionian Sea
- East Pacific** *see* Northeast Pacific; Southeast Pacific
- East Pacific Ocean Islands** *see* Hawaii
- East Pakistan** *see* Bangladesh

Eastern Canada *see* Baffin Island; Maritime Provinces; Newfoundland; Quebec

Ebro River 144(1-3) 59-79

echo sounding

Antarctic Ocean, ocean floors 138(1-2) 27-50

Atlantic Ocean 140(3-4) 415-426

India 140(1-2) 201-217

Quaternary 136(1-2) 79-95

Indian Ocean 140(3-4) 415-426; 141(1-4) 125-145

tectonophysics 140(3-4) 237-248

Norway 137(1-2) 159-164

Pakistan, Quaternary 138(3-4) 193-236

Taiwan, marine geology 140(3-4) 367-390

Eckernfoerder Bay

geochemistry 138(1-2) 1-9

marine geology 137(1-2) 137-147

ecology

Arctic Ocean, geochemistry 140(1-2) 61-73

geochemistry 139(1-4) 109-122

Norway 137(1-2) 159-164

Pacific Ocean

geochemistry 142(1-4) 47-56

ocean floors 142(1-4) 197-206

Spain, ocean circulation 144(1-3) 117-130

economic geology *see* asbestos deposits; brines; natural gas; oil and gas fields; peat; petroleum; phosphate deposits; polymetallic ores; shale

elastic waves *see* seismic waves

electrical logging

Atlantic Ocean 140(3-4) 415-426

Indian Ocean 140(3-4) 415-426

engineering geology *see* earthquakes; geologic hazards; rock mechanics; soil mechanics; waste disposal

England

marine geology, Humber Estuary 140(1-2) 47-59

Quaternary

Hampshire England 140(3-4) 405-413

Isle of Wight England 140(3-4) 405-413

Kent England 136(1-2) 97-120

Sussex England 136(1-2) 97-120

English Channel

natural gas 137(1-2) 165-189; 140(3-4) 427-455

Quaternary 136(1-2) 97-120

environmental geology *see* ecology; geologic hazards; pollution; waste disposal

colian features *see* coastal dunes

erosion *see also* erosion rates; geologic

hazards; shorelines

Atlantic Ocean, ocean floors 140(1-2) 117-140

England, Quaternary 140(3-4) 405-413

erosion rates

Louisiana, shore features 140(3-4) 347-365

erosional unconformities

Antarctic Ocean 141(1-4) 91-109

eruptive rocks *see* volcanic rocks

escarpments *see* scarps

estuarine sedimentation

China 137(3-4) 321-330

England 140(1-2) 47-59

Netherlands, Quaternary 141(1-4) 71-90

New Zealand 144(1-3) 97-116

Quaternary 138(1-2) 69-90; 144(1-3) 229-252

Portugal, shore features 138(1-2) 127-148

Spain, shore features 138(1-2) 127-148

Virginia 141(1-4) 27-50

ethane

Norway, natural gas 137(1-2) 69-80

Eurasian Plate

Indian Ocean, ocean floors 140(1-2) 219-229

Europe *see also* Baltic region; Central Europe; Southern Europe; Western Europe

Jutland 140(1-2) 25-45

Quaternary, Scheldt River 141(1-4) 71-90

European Plate *see* Eurasian Plate

eustacy

Italy, Quaternary 141(1-4) 61-70

exhalative processes

Italy, polymetallic ores 140(1-2) 167-181

exhumation

New Zealand, continental slope 138(1-2) 51-67

explosive eruptions

Iceland, Quaternary 136(3-4) 209-224

Falkland Plateau

ocean floors 138(1-2) 27-50

Falkland Trough

ocean floors 138(1-2) 27-50

Far East *see* China; Japan; Taiwan

Farallon Islands

continental shelf 137(3-4) 251-269

Faro Portugal

shore features 141(1-4) 147-156

fatty acids

Arctic Ocean, geochemistry 138(1-2) 11-25

fault scarps

Indian Ocean, ocean floors 140(1-2) 219-229

faults *see also* folds; scarps; thrust sheets

active faults, Turkey 140(1-2) 183-199

Belize 144(4) 333-347

growth faults

Bangladesh 144(1-3) 81-96

India 144(1-3) 81-96

normal faults, Mediterranean Sea 144(4)

275-294

Norway 144(1-3) 33-57

Pacific Ocean, ocean floors 142(1-4) 207-209

reverse faults, Mediterranean Sea 144(4) 275-294

strike-slip faults, India 141(1-4) 221-235

Fe *see* iron

features, bottom *see* bottom features

features, shore *see* shore features

Federated States of Micronesia *see* Micronesia

feldspar group

Baltic region 140(1-2) 97-115

Baltic Sea 140(1-2) 97-115

ferrihydrite

Papua New Guinea, lava 142(1-4) 99-117

fields, oil and gas *see* oil and gas fields

Finger Lakes *see* Onondaga Lake

fiord *see* fjords

Fiordland National Park

continental margin 141(1-4) 209-220

fjords

Alaska, Quaternary 140(3-4) 307-327; 143(1-4) 5-37

Antarctic Ocean, Quaternary 140(3-4) 265-282

Chile, Quaternary 143(1-4) 103-123

Labrador, Quaternary 143(1-4) 81-102

Newfoundland, Quaternary 143(1-4) 81-102

Norway, Quaternary 143(1-4) 39-53

Flandrian

Portugal 138(1-2) 127-148

Spain 138(1-2) 127-148

flexure

Hawaii, Quaternary 141(1-4) 11-25

Indian Ocean, ocean floors 140(1-2) 219-229

flexure faults *see* growth faults

Florida

diagenesis, Florida Keys 144(1-3) 9-31

Florida Keys

diagenesis 144(1-3) 9-31

fluorapatite

Polynesia, geochemistry 139(1-4) 201-217

fluvial features *see* rivers

fluvial sedimentation

Baltic region 140(1-2) 97-115

Baltic Sea 140(1-2) 97-115

China, hydrology 139(1-4) 95-108

Portugal, shore features 138(1-2) 127-148

Spain, shore features 138(1-2) 127-148

focused beams

England, marine geology 140(1-2) 47-59

fold and thrust belts

Papua New Guinea, petroleum 137(1-2) 109-120

folds *see* basins

Foraminifera *see also* Rotaliina

Antarctic Ocean, ocean floors 138(1-2) 27-50

Atlantic Ocean, Quaternary 144(1-3) 177-189

California, Quaternary 138(3-4) 171-192

New Jersey, Quaternary 143(1-4) 137-149

Papua New Guinea, Quaternary 142(1-4) 171-187

Turkey, Quaternary 138(1-2) 119-126

Ukraine, Quaternary 138(1-2) 119-126

fore-arc basins

Mediterranean Sea, ocean floors 138(3-4) 237-259

foreland basins

Mediterranean Sea, ocean floors 138(3-4) 237-259

Formosa *see* Taiwan**Foundation Seamounts**

ocean floors 137(3-4) 191-200

fracture zones

Atlantic Ocean, ocean floors 136(3-4) 245-257

Pacific Ocean, tectonophysics 137(3-4) 207-225

fractures

Pacific Ocean, ocean floors 141(1-4) 111-123

framework silicates *see* feldspar group; silica minerals

France *see also* Corsica

geochemistry 137(3-4) 271-286

Franklin District Northwest Territories *see* Arctic Archipelago; Baffin Island

Franklin Seamount

geochemistry 142(1-4) 119-141

lava 142(1-4) 99-117

French Polynesia *see* Tuamotu Islands

Frobisher Bay

Quaternary 143(1-4) 151-167

Furue Formation

geochemistry 144(1-3) 211-228

fyord *see* fjords

Galicja Spain

ocean circulation 144(1-3) 117-130

gamma-ray methods

Indian Ocean 136(3-4) 151-172

Ganges River

marine geology 144(1-3) 81-96

gaps, stratigraphic *see* stratigraphic gaps

Garrao Portugal

shore features 141(1-4) 147-156

gas fields *see* oil and gas fields

gas hydrates

Alaska 137(1-2) 25-40

Black Sea, ocean floors 137(1-2) 121-136

geochemistry 137(1-2) 1-189

New Zealand, continental margin 141(1-4) 209-220

Okhotsk Sea 137(1-2) 59-68

Oregon 137(1-2) 25-40

Russian Federation, sea water 136(3-4) 259-276

sea water 137(1-2) 49-57

gas seeps

Black Sea, ocean floors 137(1-2) 121-136

geochemistry 137(1-2) 1-189

North Sea

energy sources 137(1-2) 41-47

geochemistry 137(1-2) 149-157

Norway 137(1-2) 159-164

natural gas 137(1-2) 69-80

Okhotsk Sea 137(1-2) 59-68

Pakistan 136(1-2) 55-77

Papua New Guinea, petroleum 137(1-2) 109-120

United Kingdom, natural gas 137(1-2) 165-189; 140(3-4) 427-455

geochemical anomalies

Coral Sea, geochemistry 142(1-4) 7-45

Norway, petroleum 137(1-2) 81-108

geochemical cycle

California, geochemistry 139(1-4) 157-180

geochemistry 139(1-4) 1-241; 139(1-4) 109-122; 139(1-4) 219-229; 139(1-4) 231-240

Germany, hydrology 139(1-4) 61-75

Illinois, hydrology 139(1-4) 77-94

Netherlands, geochemistry 137(1-2) 5-12

New York, hydrology 139(1-4) 47-59

Newfoundland, geochemistry 139(1-4) 181-200

North Sea, geochemistry 144(1-3) 131-146

Polynesia, geochemistry 139(1-4) 201-217

Quebec, geochemistry 139(1-4) 181-200

Russian Federation

hydrology 139(1-4) 5-19

Quaternary 139(1-4) 21-46

United Kingdom, natural gas 137(1-2) 165-189; 140(3-4) 427-455

geochemistry

lithochemochemistry

Atlantic Ocean 136(1-2) 1-19

Coral Sea 142(1-4) 57-83

geochronology *see* absolute age; Cenozoic; Holocene; Miocene; Neogene; Pleistocene; Pliocene; Quaternary

geologic hazards *see also* liquefaction;

slope stability

Louisiana, shore features 140(3-4) 347-365

Geological Long-Range Inclined ASDIC *see* GLORIA

geological oceanography *see* marine geology

geomicrobiology

geochemistry 137(1-2) 1-189; 137(1-2) 13-23

geomorphology *see* glacial geology; mass movements; mud volcanoes; sea-level changes; shore features; weathering

geophysical methods

acoustical methods

continental shelf 137(3-4) 227-249; 137(3-4) 251-269

engineering geology 137(3-4) 287-304

natural gas 137(1-2) 165-189; 140(3-4) 427-455

ocean floors 140(1-2) 117-140

plate tectonics 137(3-4) 305-319

polymetallic ores 140(1-2) 167-181

Quaternary 140(3-4) 265-282

bottom-simulating reflectors

Alaska 137(1-2) 25-40

New Zealand 141(1-4) 209-220

Oregon 137(1-2) 25-40

Russian Federation 136(3-4) 259-276

seismic methods 141(1-4) 125-145

energy sources 137(1-2) 41-47

engineering geology 137(3-4) 287-304

ocean floors 136(3-4) 245-257; 138(3-4) 237-259; 140(1-2) 219-229

plate tectonics 144(4) 275-294

Quaternary 136(1-2) 79-95; 138(3-4) 193-236; 140(1-2) 183-199; 140(3-4) 405-413; 143(1-4) 125-135

tectonophysics 141(1-4) 221-235

geophysical profiles *see* seismic profiles

geophysical surveys *see also* acoustical methods; echo sounding; GLORIA; heat flow; seismic methods

Alaska 137(1-2) 25-40

Oregon 137(1-2) 25-40

Pacific Ocean

ocean floors 137(3-4) 191-200

tectonophysics 137(3-4) 207-225

Russian Federation, sea water 136(3-4) 259-276

geothermal surveys *see* heat flow

German Southwest Africa *see* Namibia

Germany

hydrology, Berlin Germany 139(1-4) 61-75

marine geology, Schleswig-Holstein Germany 137(1-2) 137-147

Gilbert Islands *see* Kiribati

glacial features *see* fjords

glacial geology *see* ablation; fjords; glaciation; glaciers; ice movement; ice sheets; moraines; till

glacial maximum, last *see* last glacial maximum

glacial recession *see* deglaciation

glacial sedimentation *see* glaciolacustrine sedimentation; glaciomarine sedimentation

glaciated terrains

Newfoundland, Quaternary 143(1-4) 125-135

glaciation *see* deglaciation; fjords; glaciers; ice movement

Glacier Bay

Quaternary 140(3-4) 307-327; 143(1-4) 5-37

glaciers *see* deglaciation; ice movement; ice sheets; moraines

glaciolacustrine sedimentation

143(1-4) 1-4

Labrador, Quaternary 143(1-4) 81-102

Newfoundland, Quaternary 143(1-4) 81-102

glaciology *see* glacial geology

glaciomarine sedimentation

143(1-4) 1-4

Alaska, Quaternary 140(3-4) 307-327; 143(1-4) 5-37

Antarctic Ocean 138(1-2) 27-50; 141(1-4) 91-109

Quaternary 140(3-4) 265-282

California, Quaternary 138(3-4) 171-192

Chile, Quaternary 143(1-4) 103-123

Greenland 143(1-4) 207-221

Labrador, Quaternary 143(1-4) 55-80; 143(1-4) 81-102

New Jersey, Quaternary 143(1-4) 137-149

Newfoundland, Quaternary 143(1-4) 55-80; 143(1-4) 81-102; 143(1-4) 125-135

Northwest Territories, Quaternary 143(1-4) 151-167

Norway, Quaternary 143(1-4) 39-53

Pakistan, Quaternary 138(3-4) 193-236

Quaternary 143(1-4) 1-221

Russian Federation, Quaternary 143(1-4) 169-188; 143(1-4) 189-205

glauconite

Antarctic Ocean, ocean floors 138(1-2) 27-50

Globigerina bulloides

New Zealand, Quaternary 140(3-4) 249-263

Globigerinacea *see* Neoglobobulimina pachyderma

Globigerinidae *see* Globigerina

GLORIA

Antarctic Ocean, ocean floors 138(1-2) 27-50

Greenland, ocean floors 143(1-4) 207-221

Hawaii, ocean floors 138(3-4) 273-301

Glovers Reef 144(4) 333-347

gold

Papua New Guinea, geochemistry 142(1-4) 119-141

Gop Rift

tectonophysics 141(1-4) 221-235

Gotland Deep

geochemistry 137(3-4) 201-205

grabens *see* horsts

gramenite *see* nontronite

Grand Isle

shore features 140(3-4) 347-365

gravel

New Zealand, Quaternary 138(1-2) 69-90

Newfoundland, Quaternary 143(1-4) 125-135

gravity faults *see* normal faults

Great Barrier Reef

Quaternary 141(1-4) 193-207

Great Britain *see* England

Greece

engineering geology, Peloponnesus

Greece 137(3-4) 287-304

Greenland

ocean floors, Scoresby Sound 143(1-4) 207-221

Greenland Sea *see* Norwegian Sea

Grosser Muggelsee

hydrology 139(1-4) 61-75

ground truth

Arctic Ocean, geochemistry 140(1-2) 61-73

ground water

New Zealand, continental slope 138(1-2) 51-67

growth faults

Bangladesh, marine geology 144(1-3) 81-96

India, marine geology 144(1-3) 81-96

Guadiana River

shore features 138(1-2) 127-148

Gulf Coastal Plain

136(3-4) 131-149; 140(3-4) 329-345

geochemistry 139(1-4) 123-145

shore features 140(3-4) 347-365

Gulf of Alaska

Quaternary 140(3-4) 307-327

Gulf of Corinth

engineering geology 137(3-4) 287-304

Gulf of Lion

geochemistry 137(3-4) 271-286

Gulf of Mexico

136(3-4) 131-149; 140(3-4) 329-345

geochemistry 139(1-4) 123-145

Gulf of Saint Lawrence

geochemistry 139(1-4) 181-200

Quaternary 143(1-4) 125-135

Gulf of the Farallones

continental shelf 137(3-4) 251-269

guyots *see* seamounts

H-2 *see* deuterium

Hampshire England

Quaternary 140(3-4) 405-413

Hawaii

geochemistry 136(3-4) 277-297

ocean floors 138(3-4) 273-301

Quaternary

Maui County Hawaii 141(1-4) 11-25

Molokai 141(1-4) 11-25

Oahu 141(1-4) 11-25

hawaiiite

Atlantic Ocean, geochemistry 136(1-2) 1-19

hazards, geologic *see* geologic hazards

heat flow

New Zealand, continental margin 141(1-4) 209-220

Pacific Ocean, geochemistry 141(1-4) 269-285

hervidero *see* mud volcanoes

hiatus, stratigraphic *see* stratigraphic gaps

high mu *see* HIMU

Hikurangi Trough

continental margin 141(1-4) 209-220

HIMU

Atlantic Ocean, geochemistry 136(1-2) 1-19

Holland *see* Netherlands

Holocene

Alaska 143(1-4) 5-37

Arctic Ocean 140(1-2) 61-73

Baltic region 140(1-2) 97-115

Baltic Sea 140(1-2) 97-115

Belize 144(4) 333-347

Brazil 140(1-2) 141-166

China 137(3-4) 321-330

Coral Sea 142(1-4) 143-170

England 136(1-2) 97-120; 140(3-4) 405-413

Flandrian

Portugal 138(1-2) 127-148

Spain 138(1-2) 127-148

Hawaii 141(1-4) 11-25

India 136(1-2) 79-95

Indian Ocean 141(1-4) 125-145

Italy 141(1-4) 61-70

Labrador 143(1-4) 55-80; 143(1-4) 81-102

Mediterranean Sea 140(3-4) 231-236

Mexico 136(1-2) 121-130

Neoglacial, India 138(3-4) 261-271

Netherlands 141(1-4) 71-90

New South Wales Australia 141(1-4) 1-9

New Zealand 138(1-2) 69-90; 138(1-2) 105-117; 144(1-3) 229-252

Newfoundland 139(1-4) 181-200; 143(1-4) 55-80; 143(1-4) 81-102

North Sea 144(1-3) 131-146

Pacific Ocean 142(1-4) 197-206

Papua New Guinea 142(1-4) 99-117

Quebec 139(1-4) 181-200

Queensland Australia 141(1-4) 193-207

Russian Federation 143(1-4) 189-205

Spain 144(1-3) 59-79; 144(1-3) 117-130

West Pacific Ocean Islands 136(1-2) 21-39

Honolulu County Hawaii *see* Oahu

Honshu

geochemistry 144(1-3) 211-228

horsts

India, tectonophysics 141(1-4) 221-235

hot spots

Pacific Ocean, ocean floors 137(3-4) 191-200

Huelva Spain

shore features 138(1-2) 127-148

Humber Estuary

marine geology 140(1-2) 47-59

hydrates, gas *see* gas hydrates

hydrocarbons *see* aliphatic hydrocarbons

hydrogen *see also* deuterium

D/H, Papua New Guinea 137(1-2) 109-120

hydrogeology *see* ground water

hydrology *see also* limnology

China 139(1-4) 95-108

Hydrosweep

ocean floors 140(1-2) 219-229

hydrothermal vents

Coral Sea 142(1-4) 143-170

geochemistry 142(1-4) 7-45

Italy, polymetallic ores 140(1-2) 167-181

Pacific Ocean 142(1-4) 3-209

geochemistry 141(1-4) 237-268; 141(1-4) 269-285; 142(1-4) 47-56

ocean floors 142(1-4) 197-206; 142(1-4) 207-209

Papua New Guinea

geochemistry 142(1-4) 119-141

lava 142(1-4) 99-117

Iberian Peninsula *see* Portugal; Spain

ice mantle *see* ice sheets

ice movement

Greenland, ocean floors 143(1-4) 207-221

Labrador, Quaternary 143(1-4) 81-102

Newfoundland, Quaternary 143(1-4) 81-102

ice rafting

Arctic Ocean, geochemistry 138(1-2) 11-25

Iceland, Quaternary 136(3-4) 209-224

ice sheets

Antarctic Ocean, Quaternary 140(3-4) 265-282

ice-rafting *see* ice rafting

icebergs

Alaska, Quaternary 143(1-4) 5-37

Iceland

Quaternary 136(3-4) 209-224

Iceland Sea

geochemistry 140(1-2) 61-73

igneous rocks

andesites

Papua New Guinea 142(1-4) 99-117

West Pacific Ocean Islands 136(1-2) 21-39

hawaiite, Atlantic Ocean 136(1-2) 1-19

mid-ocean ridge basalts, Coral Sea 142(1-4) 57-83

mugearite, Atlantic Ocean 136(1-2) 1-19

ocean-island basalts, Atlantic Ocean

136(1-2) 1-19

trachybasalts, Atlantic Ocean 136(1-2) 1-19

Illinois

hydrology, Champaign County Illinois

139(1-4) 77-94

illite

Baltic region 140(1-2) 97-115

Baltic Sea 140(1-2) 97-115

Pacific Ocean, geochemistry 140(1-2) 75-96

imbricate tectonics

Taiwan, plate tectonics 137(3-4) 305-319

inclusions

Papua New Guinea, geochemistry 142(1-4) 119-141

India

140(1-2) 201-217

marine geology, West Bengal India 144(1-3) 81-96

Quaternary

Andhra Pradesh India 138(3-4) 261-271

Bombay India 136(1-2) 79-95

sedimentary petrology, Maharashtra India

136(1-2) 41-53

tectonophysics, Narmada-Son Lineament

141(1-4) 221-235

Indian Ocean *see also* Arabian Sea; Indo-

Australian Plate; Red Sea

Bay of Bengal 136(3-4) 151-172; 140(1-2)

201-217; 141(1-4) 125-145

Bengal Fan 140(1-2) 201-217; 141(1-4)

125-145

marine geology, Bay of Bengal 144(1-3)

81-96

Neogene 136(3-4) 299-315

Quaternary, Bay of Bengal 138(3-4) 261-271

Southwest Indian Ridge 140(3-4) 415-426

tectonophysics, Southwest Indian Ridge

140(3-4) 237-248

Indian Peninsula *see* Bangladesh; India; Pakistan

Indo-Australian Plate

Indian Ocean, ocean floors 140(1-2) 219-229

New Zealand, continental margin 141(1-4)

209-220

Papua New Guinea, tectonophysics 142(1-4) 85-98

inductively coupled plasma methods

Hawaii, geochemistry 136(3-4) 277-297

Kiribati, geochemistry 136(3-4) 277-297

Indus Fan

Quaternary 138(3-4) 193-236

tectonophysics 141(1-4) 221-235

inner transition elements *see* rare earths

intertidal sedimentation

China 137(3-4) 321-330

New Zealand 144(1-3) 97-116

Portugal, shore features 138(1-2) 127-148;

141(1-4) 147-156

Spain, shore features 138(1-2) 127-148

Taiwan 140(3-4) 367-390

inversion tectonics

Mediterranean Sea, plate tectonics 144(4)

275-294

Invertebrata *see also* Coelenterata;

Mollusca; Protista

Vermes, Pacific Ocean 142(1-4) 197-206

Ionian Sea

engineering geology, Gulf of Corinth

137(3-4) 287-304

Quaternary 141(1-4) 61-70

IPOD *see* Leg 90

Irish Sea

natural gas 137(1-2) 165-189; 140(3-4)

427-455

iron

Newfoundland, geochemistry 139(1-4)

181-200

Quebec, geochemistry 139(1-4) 181-200

iron oxides

China, hydrology 139(1-4) 95-108

Russian Federation, Quaternary 139(1-4)

21-46

irrotational wave *see* P-waves

island arcs *see also* back-arc basins

Italy, polymetallic ores 140(1-2) 167-181

Japan, geochemistry 144(1-3) 211-228

West Pacific Ocean Islands, ocean floors

136(1-2) 21-39

Isle of Wight England

Quaternary 140(3-4) 405-413

Isles Dernieres

shore features 140(3-4) 347-365

isostasy

Italy, Quaternary 141(1-4) 61-70

isotopes *see also* stable isotopes

Be-10, Arctic Ocean 144(1-3) 147-162

C-13/C-12

Arctic Ocean 140(1-2) 61-73

Atlantic Ocean 144(1-3) 177-189

Brazil 139(1-4) 123-145

Louisiana 139(1-4) 123-145

New Zealand 138(1-2) 51-67; 140(3-4)

249-263

Newfoundland 139(1-4) 181-200

Northwest Territories 139(1-4) 123-145

Norway 137(1-2) 69-80; 137(1-2) 81-108

Papua New Guinea 137(1-2) 109-120

Quebec 139(1-4) 181-200

C-14

Brazil 140(1-2) 141-166

Coral Sea 142(1-4) 143-170

England 136(1-2) 97-120

- geochemistry 137(1-2) 13-23
 India 136(1-2) 79-95; 138(3-4) 261-271
 Mediterranean Sea 140(3-4) 231-236
 New Jersey 143(1-4) 137-149
 New South Wales Australia 141(1-4) 1-9
 New Zealand 138(1-2) 69-90; 138(1-2) 105-117; 144(1-3) 229-252
 Papua New Guinea 142(1-4) 171-187
 Queensland Australia 141(1-4) 193-207
 Russian Federation 143(1-4) 169-188
 Cs-137, New Zealand 138(1-2) 105-117
 D/H, Papua New Guinea 137(1-2) 109-120
 Nd-144/Nd-143, Caribbean region 136(3-4) 225-243
 O-18/O-16
 Atlantic Ocean 136(3-4) 189-207
 New Zealand 138(1-2) 51-67
 Pb-210, France 137(3-4) 271-286
 S-34/S-32, Baltic Sea 137(3-4) 201-205
 Sr-87/Sr-86
 Arctic Ocean 138(1-2) 149-169
 Caribbean region 136(3-4) 225-243
 Pacific Ocean 140(1-2) 75-96
- Italy**
 polymetallic ores, Lipari Islands 140(1-2) 167-181
 Quaternary, Calabria Italy 141(1-4) 61-70
- Japan**
 geochemistry, Honshu 144(1-3) 211-228
- Japan Sea**
 geochemistry 144(1-3) 211-228
- Japan Trench**
 ocean floors 141(1-4) 111-123
- Jiangsu China**
 hydrology 139(1-4) 95-108
 ocean circulation 137(3-4) 321-330
- Jiangyin China**
 hydrology 139(1-4) 95-108
- Josoji Formation**
 geochemistry 144(1-3) 211-228
- Jutland** 140(1-2) 25-45
- K/Ar**
 Pacific Ocean, geochemistry 140(1-2) 75-96
- Kaitorete Spit**
 Quaternary 138(1-2) 69-90
- Kaohsiung Taiwan**
 marine geology 140(3-4) 367-390
- Kara Sea**
 Quaternary 143(1-4) 169-188
- karst**
 Belize 144(4) 333-347
- Kebrit Deep** 144(4) 311-330
- Kent England**
 Quaternary 136(1-2) 97-120
- Kerch Peninsula**
 Quaternary 138(1-2) 119-126
- Kermadec Islands**
 ocean floors 136(1-2) 21-39
- Kiel Bay**
 marine geology 137(1-2) 137-147
- King George Island**
 Quaternary 140(3-4) 265-282
- Kiribati**
 geochemistry 136(3-4) 277-297
- KODOS**
 geochemistry 144(4) 295-309
 Kongo River *see* Congo River
- Korea Deep Ocean Study program**
 geochemistry 144(4) 295-309
- Koura Formation**
 geochemistry 144(1-3) 211-228
- Kuril Islands** *see* Paramushir
- kuroko-type deposits**
 Italy, polymetallic ores 140(1-2) 167-181
- Labrador**
 Quaternary 143(1-4) 55-80; 143(1-4) 81-102
- lacustrine sedimentation** *see also* glaciolacustrine sedimentation
 New York, hydrology 139(1-4) 47-59
- Lafourche Parish Louisiana**
 shore features 140(3-4) 347-365
- lagoonal sedimentation**
 India, Quaternary 138(3-4) 261-271
 New Zealand, Quaternary 138(1-2) 69-90
- lagoons**
 Belize 144(4) 333-347
 New Zealand, Quaternary 138(1-2) 69-90
- Lake Baikal**
 hydrology 139(1-4) 5-19
 Quaternary 139(1-4) 21-46
- Lake Ellesmere**
 Quaternary 138(1-2) 69-90
- Lake Melville**
 Quaternary 143(1-4) 55-80; 143(1-4) 81-102
- Lamellibranchiata** *see* Bivalvia
- laminations**
 Alaska, Quaternary 143(1-4) 5-37
 Baltic Sea, geochemistry 137(3-4) 201-205
- Lanai**
 Quaternary 141(1-4) 11-25
- land use** *see also* waste disposal
 Germany, hydrology 139(1-4) 61-75
 lanthanoans *see* rare earths
- last glacial maximum**
 Atlantic Ocean, Quaternary 144(1-3) 177-189
 California, Quaternary 138(3-4) 171-192
 Pakistan, Quaternary 138(3-4) 193-236
- LATEX** 140(3-4) 329-345
- Lau Basin**
 geochemistry 141(1-4) 237-268; 142(1-4) 7-45; 142(1-4) 47-56; 142(1-4) 57-83
- Laurentide ice sheet**
 California, Quaternary 138(3-4) 171-192
 Labrador, Quaternary 143(1-4) 55-80
 Newfoundland, Quaternary 143(1-4) 55-80
- lava**
 Coral Sea 142(1-4) 143-170
 geochemistry 142(1-4) 57-83
 Italy, polymetallic ores 140(1-2) 167-181
 Pacific Ocean, ocean floors 137(3-4) 191-200; 142(1-4) 207-209
 Papua New Guinea 142(1-4) 99-117
 West Pacific Ocean Islands, ocean floors 136(1-2) 21-39
- Laxmi Basin**
 tectonophysics 141(1-4) 221-235
- lead**
 Pb-210, France 137(3-4) 271-286
 Leg 90 *see* DSDP Site 594
- Leg 130**
 sedimentation 144(1-3) 1-8
 Leg 135 *see* ODP Site 834; ODP Site 835
 Leg 146 *see* ODP Site 892
 Leg 161 *see* ODP Site 976
- Lighthouse Reef** 144(4) 333-347
- limestone**
 Belize 144(4) 333-347
 Florida 144(1-3) 9-31
 India 136(1-2) 41-53
- limnology** *see also* paleolimnology
 geochemistry 139(1-4) 1-241
 Germany, hydrology 139(1-4) 61-75
 Illinois, hydrology 139(1-4) 77-94
 New York, hydrology 139(1-4) 47-59
 Russian Federation, hydrology 139(1-4) 5-19
- Lipari Islands**
 polymetallic ores 140(1-2) 167-181
- liquefaction**
 Greece, engineering geology 137(3-4) 287-304
- lithogeochemistry**
 Atlantic Ocean 136(1-2) 1-19
 Coral Sea 142(1-4) 57-83
- lithostratigraphy**
 England, Quaternary 136(1-2) 97-120
 New Zealand, Quaternary 144(1-3) 229-252
 Russian Federation, Quaternary 143(1-4) 189-205
- Little Ice Age** *see* Neoglacial
- littoral drift**
 Louisiana 136(3-4) 131-149
 Taiwan, marine geology 140(3-4) 367-390
- Long Key Formation**
 diagenesis 144(1-3) 9-31
 longitudinal wave *see* P-waves
- longshore bars**
 Mexico, Quaternary 136(1-2) 121-130

longshore drift *see* littoral drift

Lophelia pertusa 137(1-2) 159-164

Louisiana

geochemistry, Mississippi Delta 139(1-4) 123-145

Mississippi Delta 140(3-4) 329-345

shore features

Isles Dernieres 140(3-4) 347-365

Lafourche Parish Louisiana 140(3-4) 347-365

Plaquemines Parish Louisiana 140(3-4) 347-365

Terrebonne Parish Louisiana 136(3-4) 131-149

Low Archipelago *see* Tuamotu Islands

lower Neogene *see* Miocene

macaluba *see* mud volcanoes

Mackenzie District Northwest Territories

geochemistry 139(1-4) 123-145; 144(4) 255-273

Mackenzie River

geochemistry 139(1-4) 123-145

magnesian spar *see* dolomite

magnetic anomalies

India, tectonophysics 141(1-4) 221-235

magnetic susceptibility

Antarctic Ocean, ocean floors 138(1-2) 27-50

Atlantic Ocean 140(3-4) 415-426

Indian Ocean 136(3-4) 151-172; 140(3-4) 415-426

magnetism, paleo- *see* paleomagnetism

magnetostatigraphy

England, Quaternary 136(1-2) 97-120

Maharashtra India *see also* Bombay India
sedimentary petrology 136(1-2) 41-53

Makran Coast 136(1-2) 55-77

manganese

Coral Sea, geochemistry 142(1-4) 7-45

France, geochemistry 137(3-4) 271-286

Pacific Ocean, geochemistry 141(1-4) 269-285

manganese nodules *see* nodules

manganese oxides

Pacific Ocean, geochemistry 141(1-4) 269-285

manganese sulfide

Baltic Sea, geochemistry 137(3-4) 201-205

mantle plumes *see* hot spots

Manukau Harbour New Zealand 144(1-3) 97-116

Manus Basin

geochemistry 142(1-4) 7-45; 142(1-4) 47-56; 142(1-4) 57-83

ocean floors 142(1-4) 197-206; 142(1-4) 207-209

Quaternary 142(1-4) 171-187

maps

bathymetric maps, Pakistan 138(3-4) 193-236

margin, continental *see* continental margin

marginal seas

Newfoundland, geochemistry 139(1-4) 181-200

Quebec, geochemistry 139(1-4) 181-200

marginal trench *see* trenches

Marian Cove

Quaternary 140(3-4) 265-282

Mariana Trench

ocean floors 141(1-4) 111-123

Marin County California *see* Tomales Bay

marine geology *see also* bottom features;
continental rise; continental shelf; nodules;
ocean circulation; ocean floors;
ocean waves; sea water; submarine canyons

141(1-4) 183-192; 143(1-4) 1-4

Atlantic Ocean, Quaternary 144(1-3) 177-189

Belize 144(4) 333-347

England 140(1-2) 47-59

Quaternary 140(3-4) 405-413

Germany 137(1-2) 137-147

Louisiana, shore features 140(3-4) 347-365

Newfoundland, Quaternary 143(1-4) 125-135

Northwest Territories, Quaternary 143(1-4) 151-167

Quaternary 143(1-4) 1-221

Taiwan 140(3-4) 367-390

Turkey, Quaternary 140(1-2) 183-199

Virginia 141(1-4) 27-50

marine sedimentation *see also* glaciomarine
sedimentation; marine transport

Angola 140(3-4) 283-306

Arctic Ocean, geochemistry 138(1-2) 11-25

Atlantic Ocean, Quaternary 136(3-4) 189-207

geochemistry 139(1-4) 231-240

Norway 136(3-4) 173-187

Papua New Guinea, Quaternary 142(1-4) 189-195

marine sediments

137(1-2) 49-57; 141(1-4) 183-192; 143(1-4) 1-4

Alaska 137(1-2) 25-40

Quaternary 143(1-4) 5-37

Angola 140(3-4) 283-306

Antarctic Ocean 138(1-2) 27-50; 141(1-4) 91-109

Quaternary 140(3-4) 265-282

Arctic Ocean

geochemistry 138(1-2) 11-25; 138(1-2) 149-169; 140(1-2) 61-73

Quaternary 144(1-3) 147-162

Atlantic Ocean 136(3-4) 245-257; 140(1-2) 117-140; 140(3-4) 415-426

Quaternary 136(3-4) 189-207; 144(1-3) 177-189

Baltic region 140(1-2) 97-115

Baltic Sea 140(1-2) 97-115

geochemistry 137(3-4) 201-205

Bangladesh 144(1-3) 81-96

Brazil, geochemistry 139(1-4) 123-145

California 137(3-4) 251-269

geochemistry 138(1-2) 1-9; 139(1-4) 157-180

Quaternary 138(3-4) 171-192

Caribbean region, Quaternary 136(3-4) 225-243

Chile, Quaternary 143(1-4) 103-123

China 137(3-4) 321-330

Coral Sea 142(1-4) 143-170

Denmark, geochemistry 138(1-2) 1-9

France, geochemistry 137(3-4) 271-286

geochemistry 137(1-2) 1-189; 139(1-4) 1-241; 139(1-4) 219-229; 139(1-4) 231-240

Germany 137(1-2) 137-147

Greece, engineering geology 137(3-4) 287-304

Greenland 143(1-4) 207-221

Iceland, Quaternary 136(3-4) 209-224

India 140(1-2) 201-217; 144(1-3) 81-96

Quaternary 136(1-2) 79-95

Indian Ocean 136(3-4) 151-172; 140(3-4) 415-426; 141(1-4) 125-145

tectonophysics 140(3-4) 237-248

Italy, polymetallic ores 140(1-2) 167-181

Louisiana 136(3-4) 131-149

geochemistry 139(1-4) 123-145

Mediterranean Sea

geochemistry 139(1-4) 147-155; 141(1-4) 51-60

plate tectonics 144(4) 275-294

Quaternary 140(3-4) 231-236

Namibia, geochemistry 144(1-3) 191-210

Netherlands, geochemistry 137(1-2) 5-12

New Jersey, Quaternary 143(1-4) 137-149

New Zealand 141(1-4) 209-220; 144(1-3) 97-116

Quaternary 138(1-2) 105-117; 140(3-4) 249-263

Newfoundland

geochemistry 139(1-4) 181-200

Quaternary 143(1-4) 125-135

North Sea

energy sources 137(1-2) 41-47

geochemistry 137(1-2) 149-157; 144(1-3) 131-146

Northwest Territories

geochemistry 139(1-4) 123-145; 144(4) 255-273

Quaternary 143(1-4) 151-167

- Norway 136(3-4) 173-187; 137(1-2) 159-164; 144(1-3) 33-57
petroleum 137(1-2) 81-108
Quaternary 143(1-4) 39-53
Okhotsk Sea 137(1-2) 59-68
Oregon 137(1-2) 25-40
Pacific Ocean 141(1-4) 111-123; 144(1-3) 1-8
geochemistry 140(1-2) 75-96; 141(1-4) 237-268; 141(1-4) 269-285; 144(4) 295-309
Pakistan 136(1-2) 55-77
Quaternary 138(3-4) 193-236
Papua New Guinea, Quaternary 142(1-4) 171-187; 142(1-4) 189-195
Quaternary 143(1-4) 1-221
Quebec, geochemistry 139(1-4) 181-200
Russian Federation 136(3-4) 259-276
Quaternary 143(1-4) 169-188
Spain 144(1-3) 117-130
Turkey, Quaternary 140(3-4) 391-403
United Kingdom, natural gas 137(1-2) 165-189; 140(3-4) 427-455
Virginia 137(3-4) 227-249; 141(1-4) 27-50
- marine terraces**
Hawaii, Quaternary 141(1-4) 11-25
- marine transport**
Atlantic Ocean, ocean floors 140(1-2) 117-140
Bangladesh, marine geology 144(1-3) 81-96
Caribbean region, Quaternary 136(3-4) 225-243
China, ocean circulation 137(3-4) 321-330
France, geochemistry 137(3-4) 271-286
India, marine geology 144(1-3) 81-96
Louisiana 136(3-4) 131-149; 140(3-4) 329-345
New South Wales Australia 138(1-2) 91-103
Northwest Territories, Quaternary 143(1-4) 151-167
Nova Scotia 141(1-4) 157-181
Pacific Ocean, geochemistry 140(1-2) 75-96
Spain 144(1-3) 59-79
Maritime Provinces *see* Nova Scotia
- Mary Rose Site**
Quaternary 140(3-4) 405-413
- mass movements** *see also* debris flows; liquefaction
Antarctic Ocean 141(1-4) 91-109
Bangladesh, marine geology 144(1-3) 81-96
India 140(1-2) 201-217
marine geology 144(1-3) 81-96
Papua New Guinea, Quaternary 142(1-4) 171-187; 142(1-4) 189-195
- Mathews County Virginia**
marine geology 141(1-4) 27-50
- Maui County Hawaii**
Quaternary 141(1-4) 11-25
- Maxwell Bay**
Quaternary 140(3-4) 265-282
- Mediterranean Ridge**
ocean floors 138(3-4) 237-259
- Mediterranean Sea** *see also* Corsica; East Mediterranean; West Mediterranean
144(1-3) 59-79
geochemistry 139(1-4) 147-155; 141(1-4) 51-60
Gulf of Lion 137(3-4) 271-286
ocean floors, Mediterranean Ridge 138(3-4) 237-259
plate tectonics, Alboran Sea 144(4) 275-294
Quaternary 140(3-4) 231-236
meetings *see* symposia
meta-turbidite *see* turbidite
metal ores *see* polymetallic ores
- metallurgy**
Pacific Ocean, geochemistry 141(1-4) 237-268
Papua New Guinea, geochemistry 142(1-4) 119-141
- metals** *see also* alkaline earth metals; cadmium; gold; iron; manganese; niobium; rare earths; silver; zirconium
138(3-4) 303-311
precious metals, Papua New Guinea 142(1-4) 119-141
metatubidite *see* turbidite
- methane**
geochemistry 137(1-2) 1-189; 137(1-2) 13-23
Germany, marine geology 137(1-2) 137-147
Netherlands, geochemistry 137(1-2) 5-12
New Zealand, continental margin 141(1-4) 209-220
North Sea, geochemistry 137(1-2) 149-157
Norway 137(1-2) 159-164
natural gas 137(1-2) 69-80
petroleum 137(1-2) 81-108
Pacific Ocean, geochemistry 142(1-4) 47-56
Pakistan 136(1-2) 55-77
Russian Federation, sea water 136(3-4) 259-276
sea water 137(1-2) 49-57
United Kingdom, natural gas 137(1-2) 165-189; 140(3-4) 427-455
methyl sulfide *see* dimethyl sulfide
- Mexico**
Quaternary, Nayarit Mexico 136(1-2) 121-130
mica group *see* glauconite
- microbial mats *see* algal mats
microbiology, geological *see* geomicrobiology
- microchimneys**
Pacific Ocean, geochemistry 141(1-4) 269-285
- Micronesia** *see* Kiribati
- micronodules**
Arctic Ocean, geochemistry 138(1-2) 149-169
- mid-ocean ridge basalts**
Coral Sea, geochemistry 142(1-4) 57-83
- mid-ocean ridges** *see also* Southwest Indian Ridge
Atlantic Ocean, ocean floors 136(3-4) 245-257
Iceland, Quaternary 136(3-4) 209-224
Mediterranean Sea, ocean floors 138(3-4) 237-259
Pacific Ocean, ocean floors 137(3-4) 191-200
- middens**
Brazil, Quaternary 140(1-2) 141-166
- Middle Atlantic Bight**
continental shelf 137(3-4) 227-249
- Middle East** *see* Turkey
- mid-oceanic ridges** *see* mid-ocean ridges
- mineral deposits, genesis** *see also* exhalative processes; volcanism
India, sedimentary petrology 136(1-2) 41-53
mineral sequence *see* paragenesis
mineralogy *see* carbonates; nitrates; oxides; sulfides; sulfosalts
- mining geology**
France, shore features 144(1-3) 163-175
- Miocene**
Japan 144(1-3) 211-228
miospores *see* pollen
- Mississippi Delta**
140(3-4) 329-345
geochemistry 139(1-4) 123-145
Mn *see* manganese
molecular fossils *see* biomarkers
- Mollusca**
Bivalvia, India 138(3-4) 261-271
Turkey, Quaternary 138(1-2) 119-126
Ukraine, Quaternary 138(1-2) 119-126
- Molokai**
Quaternary 141(1-4) 11-25
- Monroe County Florida** *see* Florida Keys
- moraines**
Alaska, Quaternary 140(3-4) 307-327
Chile, Quaternary 143(1-4) 103-123
Labrador, Quaternary 143(1-4) 81-102
Newfoundland, Quaternary 143(1-4) 81-102; 143(1-4) 125-135
Northwest Territories, Quaternary 143(1-4) 151-167

- MORB** *see* mid-ocean ridge basalts
morencite *see* nontronite
movements, mass *see* mass movements
mud
 141(1-4) 183-192
 Germany 137(1-2) 137-147
 North Sea, geochemistry 137(1-2) 149-157
 Norway 144(1-3) 33-57
mud volcanoes
 Black Sea, ocean floors 137(1-2) 121-136
 Papua New Guinea, petroleum 137(1-2) 109-120
 Taiwan, plate tectonics 137(3-4) 305-319
mugearite
 Atlantic Ocean, geochemistry 136(1-2) 1-19
Muir Inlet
 Quaternary 140(3-4) 307-327
Musicians Seamounts
 ocean floors 138(3-4) 273-301
N *see* nitrogen
n-alkanes
 Arctic Ocean, geochemistry 138(1-2) 11-25
Namibia
 geochemistry 144(1-3) 191-210
 Nan Hai *see* South China Sea
Nansen Basin
 Quaternary 144(1-3) 147-162
Narmada-Son Lineament
 tectonophysics 141(1-4) 221-235
 natural gas *see* gas hydrates; gas seeps; methane
Nayarit Mexico
 Quaternary 136(1-2) 121-130
Nb *see* niobium
Nd-144/Nd-143
 Caribbean region, Quaternary 136(3-4) 225-243
Nelson Island
 Quaternary 140(3-4) 265-282
neodymium
 Nd-144/Nd-143, Caribbean region 136(3-4) 225-243
Neogene *see also* Miocene; Pliocene
 Atlantic Ocean 136(3-4) 245-257
 Indian Ocean 136(3-4) 299-315
 Mediterranean Sea 144(4) 275-294
 Pacific Ocean 144(1-3) 1-8
Neoglacial
 India 138(3-4) 261-271
Neogloboquadrina pachyderma
 Arctic Ocean, geochemistry 140(1-2) 61-73
neotectonics *see also* faults; folds; isostasy
 Turkey, Quaternary 140(1-2) 183-199;
 140(3-4) 391-403
Netherlands *see also* Scheldt River
 geochemistry, Wadden Zee 137(1-2) 5-12
New Jersey
 Quaternary 143(1-4) 137-149
New South Wales Australia
 Quaternary, Sydney Australia 141(1-4) 1-9
 Sydney Australia 138(1-2) 91-103
New York
 hydrology, Onondaga Lake 139(1-4) 47-59
New Zealand *see also* North Island
 Auckland New Zealand 144(1-3) 97-116
 continental margin
 Fiordland National Park 141(1-4) 209-220
 Hikurangi Trough 141(1-4) 209-220
 continental slope, Otago Peninsula 138(1-2) 51-67
 Quaternary 140(3-4) 249-263
 Canterbury New Zealand 138(1-2) 69-90
 Wellington New Zealand 138(1-2) 105-117
Newfoundland *see also* Labrador
 geochemistry 139(1-4) 181-200
 Quaternary 143(1-4) 125-135
niobium
 Pacific Ocean, ocean floors 137(3-4) 191-200
nitrate
 Germany, hydrology 139(1-4) 61-75
 Namibia, geochemistry 144(1-3) 191-210
nitrogen
 Brazil, geochemistry 139(1-4) 123-145
 Louisiana, geochemistry 139(1-4) 123-145
 Namibia, geochemistry 144(1-3) 191-210
 New Zealand, Quaternary 140(3-4) 249-263
 North Sea, geochemistry 144(1-3) 131-146
 Northwest Territories, geochemistry 139(1-4) 123-145
 Norway, ocean waves 136(3-4) 173-187
No Name Basin
 Quaternary 138(3-4) 171-192
nodules
 138(3-4) 303-311
 Arctic Ocean, geochemistry 138(1-2) 149-169
 Pacific Ocean, geochemistry 141(1-4) 269-285; 144(4) 295-309
nontronite
 Papua New Guinea, lava 142(1-4) 99-117
normal faults
 Mediterranean Sea, plate tectonics 144(4) 275-294
North American Plate
 Pacific Ocean, tectonophysics 137(3-4) 207-225
North Arch lava flow
 ocean floors 138(3-4) 273-301
North Atlantic *see* Baltic Sea; Barbados Ridge; Caribbean Sea; English Channel; Frobisher Bay; Gulf of Mexico; Gulf of Saint Lawrence; Irish Sea; North Sea; Reykjanes Ridge; Sable Island Bank; Scotian Shelf
North Atlantic Deep Water
 Arctic Ocean, geochemistry 140(1-2) 61-73
North Carolina
 shore features, Duck North Carolina 140(1-2) 1-24
North Island
 144(1-3) 97-116
 continental margin 141(1-4) 209-220
 Quaternary 138(1-2) 105-117; 144(1-3) 229-252
North Pacific *see* Northeast Pacific; Northwest Pacific
North Polar Sea *see* Arctic Ocean
North Sea
 140(1-2) 25-45
 energy sources 137(1-2) 41-47
 geochemistry 144(1-3) 131-146
 Skagerrak 137(1-2) 149-157
 marine geology 140(1-2) 47-59
 natural gas 137(1-2) 69-80; 137(1-2) 165-189; 140(3-4) 427-455
 ocean waves, Norwegian Channel 136(3-4) 173-187
 petroleum, Viking Graben 137(1-2) 81-108
Northampton County Virginia
 marine geology 141(1-4) 27-50
Northeast Pacific *see* Clarion fracture zone; Clipperton fracture zone; Gulf of Alaska; Rivera fracture zone
Northwest Pacific *see* East China Sea; Japan Sea; Japan Trench; Mariana Trench; Okhotsk Sea; South China Sea
Northwest Territories
 geochemistry, Mackenzie District Northwest Territories 139(1-4) 123-145; 144(4) 255-273
 Quaternary
 Arctic Archipelago 143(1-4) 151-167
 Baffin Island 143(1-4) 151-167
Norway
 137(1-2) 159-164; 144(1-3) 33-57
 natural gas 137(1-2) 69-80
 ocean waves 136(3-4) 173-187
 petroleum 137(1-2) 81-108
 Quaternary 143(1-4) 39-53
Norwegian Channel
 ocean waves 136(3-4) 173-187
Norwegian Sea *see also* Voring Plateau
 137(1-2) 159-164
 geochemistry 140(1-2) 61-73
 ocean floors 143(1-4) 207-221
Norwegian Trough *see* Norwegian Channel

- Nova Scotia** 141(1-4) 157-181
Nova Scotia Shelf *see* Scotian Shelf
O *see* oxygen
O-18/O-16
 Atlantic Ocean, Quaternary 136(3-4) 189-207
 New Zealand, continental slope 138(1-2) 51-67
Oahu
 Quaternary 141(1-4) 11-25
ocean circulation *see also* ocean currents
 China 137(3-4) 321-330
 Netherlands, Quaternary 141(1-4) 71-90
 New Zealand 144(1-3) 97-116
 Spain 144(1-3) 117-130
ocean crust *see* oceanic crust
ocean currents
 Angola 140(3-4) 283-306
 Antarctic Ocean, ocean floors 138(1-2) 27-50
 Arctic Ocean, geochemistry 140(1-2) 61-73
 Denmark 140(1-2) 25-45
 Norway, ocean waves 136(3-4) 173-187
 Nova Scotia 141(1-4) 157-181
Ocean Drilling Program *see* Leg 130; Leg 135; Leg 146; Leg 161
ocean floors *see also* bathymetric maps; bottom features; continental margin; continental rise; continental slope; fracture zones; hydrothermal vents; mid-ocean ridges; paleo-oceanography; sea-floor spreading; seamounts; submarine canyons; submarine fans; submarine volcanoes; trenches
 136(3-4) 319
 Antarctic Ocean 138(1-2) 27-50
 Pacific Ocean 142(1-4) 3-6
ocean ridges *see* mid-ocean ridges
ocean waves *see also* tsunamis
 Denmark 140(1-2) 25-45
 New South Wales Australia 138(1-2) 91-103
 North Carolina, shore features 140(1-2) 1-24
 Norway 136(3-4) 173-187
 Nova Scotia 141(1-4) 157-181
 Portugal, shore features 141(1-4) 147-156
 Spain 144(1-3) 59-79
ocean-floor spreading *see* sea-floor spreading
ocean-island basalts
 Atlantic Ocean, geochemistry 136(1-2) 1-19
Oceania *see* Kiribati; Micronesia; Polynesia
oceanic crust
 Atlantic Ocean, ocean floors 136(3-4) 245-257
 Hawaii, ocean floors 138(3-4) 273-301
 Indian Ocean, ocean floors 140(1-2) 219-229
 Pacific Ocean 137(3-4) 207-225
 ocean floors 137(3-4) 191-200; 141(1-4) 111-123
 Papua New Guinea 142(1-4) 85-98
oceanic trench *see* trenches
oceanography *see* continental margin; continental shelf; continental slope; estuaries; marine geology; nodules; ocean circulation; ocean floors; ocean waves; reefs; sea water; sedimentation; sediments
ODP Site 834
 geochemistry 141(1-4) 237-268
ODP Site 835
 geochemistry 141(1-4) 237-268
ODP Site 892 137(1-2) 25-40
ODP Site 976
 plate tectonics 144(4) 275-294
ODP Site 977
 plate tectonics 144(4) 275-294
OIB *see* ocean-island basalts
 oil and gas *see* petroleum
 oil and gas fields *see* natural gas
 oil fields *see* oil and gas fields
oil seeps
 Norway, petroleum 137(1-2) 81-108
Okhotsk Sea 137(1-2) 59-68
Onkotan
 sea water 136(3-4) 259-276
Onondaga Lake
 hydrology 139(1-4) 47-59
Ontong Java Plateau
 sedimentation 144(1-3) 1-8
ooze
 Norway 144(1-3) 33-57
opal
 California, Quaternary 138(3-4) 171-192
 Papua New Guinea, lava 142(1-4) 99-117
Oregon 137(1-2) 25-40
 ores, polymetallic *see* polymetallic ores
 organic acids *see* fatty acids
organic carbon *see also* total organic carbon
 Arctic Ocean, geochemistry 138(1-2) 11-25
 Brazil, geochemistry 139(1-4) 123-145
 California
 geochemistry 138(1-2) 1-9
 Quaternary 138(3-4) 171-192
 Denmark, geochemistry 138(1-2) 1-9
 France, geochemistry 137(3-4) 271-286
 Louisiana, geochemistry 139(1-4) 123-145
 Mediterranean Sea, geochemistry 141(1-4) 51-60
 North Sea, geochemistry 144(1-3) 131-146
 Northwest Territories, geochemistry 139(1-4) 123-145; 144(4) 255-273
 Norway, ocean waves 136(3-4) 173-187
organic compounds *see also* hydrocarbons; organic acids; sapropel; total organic carbon
 Angola 140(3-4) 283-306
 Atlantic Ocean, Quaternary 144(1-3) 177-189
 Baltic Sea, geochemistry 137(3-4) 201-205
 Brazil, geochemistry 139(1-4) 123-145
 California
 geochemistry 138(1-2) 1-9; 139(1-4) 157-180
 Quaternary 138(3-4) 171-192
 Denmark, geochemistry 138(1-2) 1-9
 France, geochemistry 137(3-4) 271-286
 Illinois, hydrology 139(1-4) 77-94
 Louisiana, geochemistry 139(1-4) 123-145
 New York, hydrology 139(1-4) 47-59
 New Zealand, Quaternary 144(1-3) 229-252
 North Sea, geochemistry 144(1-3) 131-146
 Northwest Territories, geochemistry 139(1-4) 123-145; 144(4) 255-273
 Norway, ocean waves 136(3-4) 173-187
 Polynesia, geochemistry 139(1-4) 201-217
 Russian Federation, hydrology 139(1-4) 5-19
orogeny
 Taiwan, plate tectonics 137(3-4) 305-319
Otago Peninsula
 continental slope 138(1-2) 51-67
Outer Banks
 shore features 140(1-2) 1-24
oxides *see also* ferrihydrite; iron oxides; manganese oxides; vernadite
 Arctic Ocean, geochemistry 138(1-2) 149-169
oxygen
 Germany, hydrology 139(1-4) 61-75
 Mediterranean Sea
 geochemistry 141(1-4) 51-60
 Quaternary 140(3-4) 231-236
 Namibia, geochemistry 144(1-3) 191-210
 North Sea, geochemistry 137(1-2) 149-157
 O-18/O-16
 Atlantic Ocean 136(3-4) 189-207
 New Zealand 138(1-2) 51-67
P *see* phosphorus
P-waves
 Florida, diagenesis 144(1-3) 9-31
 Indian Ocean 136(3-4) 151-172

Pacific Ocean *see also* California Current; Hawaii; Indo-Australian Plate; North Pacific; Pacific Plate; South Pacific; West Pacific

137(1-2) 25-40; 142(1-4) 3-6; 142(1-4) 3-209

continental shelf 137(3-4) 251-269

continental slope 138(1-2) 51-67

geochemistry 138(1-2) 1-9; 139(1-4) 157-180; 140(1-2) 75-96; 141(1-4) 269-285

Bismarck Sea 142(1-4) 7-45; 142(1-4) 47-56; 142(1-4) 57-83

Clarion fracture zone 144(4) 295-309

Clipperton fracture zone 144(4) 295-309

Lau Basin 141(1-4) 237-268; 142(1-4) 7-45; 142(1-4) 47-56; 142(1-4) 57-83

ocean floors 136(1-2) 21-39

Bismarck Sea 142(1-4) 197-206; 142(1-4) 207-209

Japan Trench 141(1-4) 111-123

Mariana Trench 141(1-4) 111-123

Quaternary 136(1-2) 121-130; 144(1-3) 229-252

Bismarck Sea 142(1-4) 171-187

Chatham Rise 140(3-4) 249-263

Gulf of Alaska 140(3-4) 307-327

sea water 136(3-4) 259-276

sedimentation, Ontong Java Plateau 144(1-3) 1-8

tectonophysics, Rivera fracture zone 137(3-4) 207-225

Pacific Plate

New Zealand, continental margin 141(1-4) 209-220

Pacific Ocean

ocean floors 137(3-4) 191-200

tectonophysics 137(3-4) 207-225

Papua New Guinea, tectonophysics 142(1-4) 85-98

Pakistan

136(1-2) 55-77

Quaternary 138(3-4) 193-236

paleo-oceanography

Antarctic Ocean 141(1-4) 91-109

Arctic Ocean, geochemistry 138(1-2) 149-169

Atlantic Ocean, Quaternary 144(1-3) 177-189

California, Quaternary 138(3-4) 171-192

Indian Ocean 136(3-4) 299-315

Mediterranean Sea, Quaternary 140(3-4) 231-236

Netherlands, Quaternary 141(1-4) 71-90

New Zealand, Quaternary 140(3-4) 249-263

Pacific Ocean

geochemistry 144(4) 295-309

sedimentation 144(1-3) 1-8

Papua New Guinea, Quaternary 142(1-4) 171-187

Russian Federation, Quaternary 143(1-4) 189-205

Spain, ocean circulation 144(1-3) 117-130

paleoatmosphere

Atlantic Ocean, Quaternary 144(1-3) 177-189

paleobotany *see* bacteria; Plantae; Protista; thallophytes

paleoclimatology *see also* C-13/C-12; glaciation; O-18/O-16

Antarctic Ocean 141(1-4) 91-109

Arctic Ocean, Quaternary 144(1-3) 147-162

Caribbean region, Quaternary 136(3-4) 225-243

Chile, Quaternary 143(1-4) 103-123

Mediterranean Sea, Quaternary 140(3-4) 231-236

Papua New Guinea, Quaternary 142(1-4) 171-187; 142(1-4) 189-195

Queensland Australia, Quaternary 141(1-4) 193-207

Russian Federation, Quaternary 139(1-4) 21-46

paleoecology

Atlantic Ocean, Quaternary 144(1-3) 177-189

California, Quaternary 138(3-4) 171-192

Mediterranean Sea, Quaternary 140(3-4) 231-236

New South Wales Australia, Quaternary 141(1-4) 1-9

New Zealand, Quaternary 140(3-4) 249-263

Papua New Guinea, Quaternary 142(1-4) 189-195

Russian Federation, Quaternary 143(1-4) 189-205

Turkey, Quaternary 138(1-2) 119-126

Ukraine, Quaternary 138(1-2) 119-126

paleogeography *see also* basins; sea-level changes

Japan, geochemistry 144(1-3) 211-228

paleolimnology

Russian Federation, Quaternary 139(1-4) 21-46

paleomagnetism *see also* magnetic susceptibility; magnetostratigraphy

Russian Federation 139(1-4) 21-46

paleontology *see* Foraminifera; Mollusca; Protista; Radiolaria; Verms

Palm Beach Australia 138(1-2) 91-103

Palmer Peninsula *see* Antarctic Peninsula

palynomorphs

Dinoflagellata 136(3-4) 320-321

Turkey 138(1-2) 119-126

Ukraine 138(1-2) 119-126

pollen

England 136(1-2) 97-120

New Zealand 138(1-2) 105-117

Papua New Guinea *see also* Woodlark Basin

petroleum 137(1-2) 109-120

paragenesis

Papua New Guinea, geochemistry 142(1-4) 119-141

Paralia sulcata

ocean circulation 144(1-3) 117-130

Paramushir

sea water 136(3-4) 259-276

Parana Brazil

Quaternary 140(1-2) 141-166

Paranagua Brazil

Quaternary 140(1-2) 141-166

passive margins

Belize 144(4) 333-347

patch reefs

Belize 144(4) 333-347

Pb-210

France, geochemistry 137(3-4) 271-286

peat

India, Quaternary 138(3-4) 261-271

pelagic sedimentation

Pacific Ocean, geochemistry 141(1-4) 269-285

Pelecypoda *see* Bivalvia

pelite *see* shale

Peloponnesus Greece

engineering geology 137(3-4) 287-304

petroleum *see* oil seeps

petroleum exploration *see also* natural gas

Norway 137(1-2) 81-108

Papua New Guinea 137(1-2) 109-120

petroleum seepage *see* oil seeps

petrology *see* inclusions; lava; volcanism

petrostratigraphy *see* lithostratigraphy

phase equilibria

Russian Federation, Quaternary 139(1-4) 21-46

phosphate deposits *see* apatite

phosphate rocks

geochemistry 139(1-4) 231-240

India 136(1-2) 41-53

phosphates *see* apatite; fluorapatite

phosphatization

India, sedimentary petrology 136(1-2) 41-53

phosphorite *see* phosphate rocks

phosphorus

Brazil, geochemistry 139(1-4) 123-145

California, geochemistry 139(1-4) 157-180

China, hydrology 139(1-4) 95-108

geochemistry 139(1-4) 1-241; 139(1-4) 109-122; 139(1-4) 219-229; 139(1-4) 231-240

Germany, hydrology 139(1-4) 61-75

Illinois, hydrology 139(1-4) 77-94

Louisiana, geochemistry 139(1-4) 123-145

- Mediterranean Sea, geochemistry 139(1-4) 147-155
 New York, hydrology 139(1-4) 47-59
 Newfoundland, geochemistry 139(1-4) 181-200
 Northwest Territories, geochemistry 139(1-4) 123-145
 Polynesia, geochemistry 139(1-4) 201-217
 Quebec, geochemistry 139(1-4) 181-200
 Russian Federation
 hydrology 139(1-4) 5-19
 Quaternary 139(1-4) 21-46
- PHREEQE**
 Namibia, geochemistry 144(1-3) 191-210
 piercing fold *see* diapirs
 pinquite *see* nontronite
 planar bedding structures *see* laminations;
 rhythmic bedding; sand bodies
- Plantae** *see also* algae
 California 138(1-2) 1-9
 Denmark, geochemistry 138(1-2) 1-9
 geochemistry 137(1-2) 13-23
 Netherlands, geochemistry 137(1-2) 5-12
- Plaquemines Parish Louisiana**
 shore features 140(3-4) 347-365
- plate boundaries**
 Pacific Ocean, tectonophysics 137(3-4) 207-225
- plate collision**
 Indian Ocean, ocean floors 140(1-2) 219-229
 Mediterranean Sea, ocean floors 138(3-4) 237-259
- plate convergence**
 Mediterranean Sea, ocean floors 138(3-4) 237-259
 Papua New Guinea, tectonophysics 142(1-4) 85-98
- plate margins *see* plate boundaries
 plate tectonics *see* accretionary wedges; African Plate; back-arc basins; continental crust; continental margin; earthquakes; Eurasian Plate; fore-arc basins; fracture zones; hot spots; Indo-Australian Plate; island arcs; mantle plumes; North American Plate; Pacific Plate; plate boundaries; plate collision; sea-floor spreading; seismotectonics; spreading centers; subduction; trenches; triple junctions
- plateaus**
 Norway 144(1-3) 33-57
- Pleistocene**
 India 136(1-2) 79-95
 Russian Federation 143(1-4) 189-205
 Weichselian
 Norway 143(1-4) 39-53
 Russian Federation 143(1-4) 169-188
 Wisconsinian
 Antarctic Ocean 140(3-4) 265-282
 Newfoundland 143(1-4) 125-135
 Northwest Territories 143(1-4) 151-167
 pleniglacial, last *see* last glacial maximum
- Pliocene**
 Antarctic Ocean 138(1-2) 27-50
 Florida 144(1-3) 9-31
 Turkey 140(1-2) 183-199
- pollen**
 England, Quaternary 136(1-2) 97-120
 New Zealand, Quaternary 138(1-2) 105-117
- pollution**
 New Zealand, Quaternary 138(1-2) 105-117
- polymetallic ores**
 Italy 140(1-2) 167-181
- Polynesia** *see also* Hawaii
 geochemistry, Tuamotu Islands 139(1-4) 201-217
- porcellanite**
 Atlantic Ocean 140(3-4) 415-426
 Indian Ocean 140(3-4) 415-426
- Port Hacking Australia**
 Quaternary 141(1-4) 1-9
- Portsmouth England**
 Quaternary 140(3-4) 405-413
- Portugal**
 shore features 138(1-2) 127-148
 Algarve 141(1-4) 147-156
 Portuguese West Africa *see* Angola
 Postglacial *see* Holocene
 potassium-argon *see* K/Ar
- precious metals**
 Papua New Guinea, geochemistry 142(1-4) 119-141
- primary wave *see* P-waves
- proglacial environment**
 Alaska, Quaternary 140(3-4) 307-327
- progradation**
 Bangladesh, marine geology 144(1-3) 81-96
 France, shore features 144(1-3) 163-175
 India, marine geology 144(1-3) 81-96
- Protista** *see also* Radiolaria
 Foraminifera
 Antarctic Ocean 138(1-2) 27-50
 Atlantic Ocean 144(1-3) 177-189
 California 138(3-4) 171-192
 New Jersey 143(1-4) 137-149
 Papua New Guinea 142(1-4) 171-187
 Turkey 138(1-2) 119-126
 Ukraine 138(1-2) 119-126
 geochemistry 139(1-4) 109-122
 Globigerina bulloides, New Zealand 140(3-4) 249-263
 Neoglobobulimina pachyderma, Arctic Ocean 140(1-2) 61-73
 Uvigerina, New Zealand 140(3-4) 249-263
- protoferrihydrite**
 Papua New Guinea, lava 142(1-4) 99-117
- psammite *see* sandstone
- Pulicat Lagoon**
 Quaternary 138(3-4) 261-271
- push-pull wave *see* P-waves
- pyrite**
 Papua New Guinea, geochemistry 142(1-4) 119-141
- pyroclastics *see* volcanoclastics
- quartz**
 Baltic region 140(1-2) 97-115
 Baltic Sea 140(1-2) 97-115
- Quaternary** *see also* Holocene; last glacial maximum; Pleistocene
 143(1-4) 1-4; 143(1-4) 1-221
 Alaska 140(3-4) 307-327
 Antarctic Ocean 138(1-2) 27-50
 Arctic Ocean 144(1-3) 147-162
 Atlantic Ocean 136(3-4) 189-207; 136(3-4) 245-257
 Bangladesh 144(1-3) 81-96
 California 137(3-4) 251-269
 Caribbean region 136(3-4) 225-243
 Chile 143(1-4) 103-123
 Greenland 143(1-4) 207-221
 Iceland 136(3-4) 209-224
 India 144(1-3) 81-96
 New Jersey 143(1-4) 137-149
 New Zealand 140(3-4) 249-263
 Pacific Ocean 140(1-2) 75-96
 Papua New Guinea 142(1-4) 171-187; 142(1-4) 189-195
 Russian Federation 139(1-4) 21-46
 Turkey 138(1-2) 119-126; 140(1-2) 183-199; 140(3-4) 391-403
 Ukraine 138(1-2) 119-126
 Virginia 137(3-4) 227-249
- Quebec**
 geochemistry 139(1-4) 181-200
- Queensland Australia**
 Quaternary 141(1-4) 193-207
- R/V Akademik Mstislav Keldysh** 142(1-4) 3-209
- radioactive isotopes *see* Be-10; Cs-137; Pb-210
- radiocarbon dating *see* C-14
- Radiolaria**
 Antarctic Ocean, ocean floors 138(1-2) 27-50
- rafting, ice *see* ice rafting
- rare earths**
 Arctic Ocean, geochemistry 138(1-2) 149-169
 Coral Sea, geochemistry 142(1-4) 57-83
 Hawaii, geochemistry 136(3-4) 277-297
 Indian Ocean, Neogene 136(3-4) 299-315
 Kiribati, geochemistry 136(3-4) 277-297
 Pacific Ocean, geochemistry 141(1-4) 237-268; 141(1-4) 269-285
 rate of sedimentation *see* sedimentation rates

Recent *see* Holocene

Red Sea

- Atlantis II Deep 144(4) 311-330; 144(4) 331-332
- Discovery Deep 144(4) 311-330

reefs

- atolls, Polynesia 139(1-4) 201-217
- Hawaii, Quaternary 141(1-4) 11-25
- patch reefs, Belize 144(4) 333-347
- Queensland Australia, Quaternary 141(1-4) 193-207

remote sensing

- Portugal, shore features 138(1-2) 127-148
- Spain, shore features 138(1-2) 127-148

reverse faults

- Mediterranean Sea, plate tectonics 144(4) 275-294

Reykjanes Ridge

- Quaternary 136(3-4) 209-224

rhythmic bedding

- Alaska, Quaternary 143(1-4) 5-37

rift zones

- Coral Sea 142(1-4) 143-170

Rio Amazonas *see* Amazon River

rip currents

- Denmark 140(1-2) 25-45

ripple marks

- Nova Scotia 141(1-4) 157-181

rise, continental *see* continental rise

Rivera fracture zone

- tectonophysics 137(3-4) 207-225

rivers *see* channels

rock mechanics

- Florida, diagenesis 144(1-3) 9-31

rock-stratigraphy *see* lithostratigraphy

Romanche fracture zone

- ocean floors 136(3-4) 245-257

Romney Marsh

- Quaternary 136(1-2) 97-120

Rotaliina *see* Buliminacea; Globigerinacea

rotational wave *see* S-waves

Rumble

- ocean floors 136(1-2) 21-39

Russian Federation

- hydrology, Lake Baikal 139(1-4) 5-19
- Quaternary 143(1-4) 169-188; 143(1-4) 189-205
- Lake Baikal 139(1-4) 21-46
- sea water, Paramushir 136(3-4) 259-276
- Russian Pacific region *see* Kuril Islands

S *see* sulfur

S-34/S-32

- Baltic Sea, geochemistry 137(3-4) 201-205

S-waves

- Florida, diagenesis 144(1-3) 9-31

Sable Island Bank 141(1-4) 157-181

Saint Anna Trough

- Quaternary 143(1-4) 169-188

Saint George's Bay

- Quaternary 143(1-4) 125-135

Sakhalin Russian Federation *see* Kuril Islands

salt domes

- Norway, natural gas 137(1-2) 69-80

San Nicolas Basin

- Quaternary 138(3-4) 171-192

San'in Japan

- geochemistry 144(1-3) 211-228

sand

- France, shore features 144(1-3) 163-175
- Louisiana, shore features 140(3-4) 347-365
- Portugal, shore features 141(1-4) 147-156
- Taiwan 140(3-4) 367-390

sand bodies

- China, ocean circulation 137(3-4) 321-330

sand ridges

- India, Quaternary 136(1-2) 79-95

sand volcanoes *see* mud volcanoes

sandstone

- Florida 144(1-3) 9-31

Sao Paulo Brazil

- Quaternary 140(1-2) 141-166

sapropel

- Mediterranean Sea
 - geochemistry 141(1-4) 51-60
 - Quaternary 140(3-4) 231-236
- Turkey, Quaternary 138(1-2) 119-126
- Ukraine, Quaternary 138(1-2) 119-126

Savage Basin

- Quaternary 143(1-4) 151-167

Scandinavia *see* Denmark; Norway

scarps *see also* cliffs

- Atlantic Ocean, ocean floors 140(1-2) 117-140

Scheldt River

- Quaternary 141(1-4) 71-90

schizomycetes *see* bacteria

Schleswig-Holstein Germany

- marine geology 137(1-2) 137-147

schuppen texture *see* imbricate tectonics

Scoresby Sound

- ocean floors 143(1-4) 207-221

Scotia Sea Islands *see* South Shetland Islands

Scotian Shelf 141(1-4) 157-181

scour marks

- England, Quaternary 140(3-4) 405-413

sea fan *see* submarine fans

sea floor spreading *see* sea-floor spreading

sea floors *see* ocean floors

sea mounts *see* seamounts

Sea of Japan *see* Japan Sea

Sea of Marmara region

- Quaternary 140(1-2) 183-199; 140(3-4) 391-403

Sea of Okhotsk *see* Okhotsk Sea

sea surface temperature *see* sea-surface temperature

sea water *see also* brines

- 137(1-2) 49-57

- Arctic Ocean, geochemistry 140(1-2) 61-73

- Coral Sea, geochemistry 142(1-4) 7-45

- geochemistry 139(1-4) 219-229

- Hawaii, geochemistry 136(3-4) 277-297

- Kiribati, geochemistry 136(3-4) 277-297

- Norway 137(1-2) 159-164

- Pacific Ocean, geochemistry 141(1-4) 269-285; 142(1-4) 47-56

- Papua New Guinea, lava 142(1-4) 99-117

- Russian Federation 136(3-4) 259-276

- United Kingdom, natural gas 137(1-2) 165-189; 140(3-4) 427-455

sea-floor spreading *see also* fracture

zones; magnetic anomalies; mid-ocean

ridges; spreading centers

- Indian Ocean, ocean floors 140(1-2) 219-229

- Papua New Guinea 142(1-4) 85-98

sea-floor trench *see* trenches

sea-level changes *see also* eustasy; shore-

lines; transgression

- Belize 144(4) 333-347

- Brazil, Quaternary 140(1-2) 141-166

- California, continental shelf 137(3-4) 251-269

- Caribbean region, Quaternary 136(3-4) 225-243

- England, Quaternary 136(1-2) 97-120

- India, Quaternary 136(1-2) 79-95; 138(3-4) 261-271

- Mexico, Quaternary 136(1-2) 121-130

- New South Wales Australia, Quaternary 141(1-4) 1-9

New Zealand

- continental slope 138(1-2) 51-67

- Quaternary 144(1-3) 229-252

- Newfoundland, Quaternary 143(1-4) 125-135

- Pakistan, Quaternary 138(3-4) 193-236

- Portugal, shore features 138(1-2) 127-148

- Spain, shore features 138(1-2) 127-148

- Turkey, Quaternary 138(1-2) 119-126; 140(3-4) 391-403

- Ukraine, Quaternary 138(1-2) 119-126

sea-surface temperature

- New Zealand, Quaternary 140(3-4) 249-263

- Papua New Guinea, Quaternary 142(1-4) 171-187

seamounts

Atlantic Ocean, geochemistry 136(1-2) 1-19

Hawaii

geochemistry 136(3-4) 277-297
ocean floors 138(3-4) 273-301

Indian Ocean 136(3-4) 151-172

Neogene 136(3-4) 299-315

tectonophysics 140(3-4) 237-248

Kiribati, geochemistry 136(3-4) 277-297

Mediterranean Sea, plate tectonics 144(4) 275-294

Pacific Ocean, ocean floors 137(3-4) 191-200

Papua New Guinea

geochemistry 142(1-4) 119-141

lava 142(1-4) 99-117

seas, marginal *see* marginal seas

seawater *see* sea water

secondary wave *see* S-waves

SEDEX method

geochemistry 139(1-4) 147-155; 139(1-4) 157-180

sediment load *see* bedload

sediment supply

Northwest Territories, geochemistry 144(4) 255-273

Spain 144(1-3) 59-79

sediment transport *see also* ice rafting;

marine transport; turbidity currents

China, hydrology 139(1-4) 95-108

Denmark 140(1-2) 25-45

England, marine geology 140(1-2) 47-59

France, shore features 144(1-3) 163-175

Mexico, Quaternary 136(1-2) 121-130

Netherlands, Quaternary 141(1-4) 71-90

New Zealand 144(1-3) 97-116

North Sea, geochemistry 144(1-3) 131-146

Norway, ocean waves 136(3-4) 173-187

Portugal, shore features 141(1-4) 147-156

Queensland Australia, Quaternary 141(1-4) 193-207

Virginia, marine geology 141(1-4) 27-50

sedimentary fault *see* growth faults

sedimentary petrology *see* clay mineralogy;

diagenesis; reefs; sedimentary structures;

sedimentation; sediments; weathering

sedimentary rocks**beachrock**

France 144(1-3) 163-175

Italy 141(1-4) 61-70

chemically precipitated rocks

Hawaii 136(3-4) 277-297

Indian Ocean 136(3-4) 299-315

Italy 140(1-2) 167-181

Kiribati 136(3-4) 277-297

Russian Federation 139(1-4) 21-46

contourite, Antarctic Ocean 138(1-2) 27-50

limestone

Belize 144(4) 333-347

Florida 144(1-3) 9-31

India 136(1-2) 41-53

phosphate rocks

geochemistry 139(1-4) 231-240

India 136(1-2) 41-53

porcellanite

Atlantic Ocean 140(3-4) 415-426

Indian Ocean 140(3-4) 415-426

sandstone, Florida 144(1-3) 9-31

shale, Japan 144(1-3) 211-228

siltstone, New Zealand 138(1-2) 51-67

sedimentary structures

136(3-4) 317-319

algal mats, Polynesia 139(1-4) 201-217

bioturbation, Virginia 141(1-4) 27-50

laminations

Alaska 143(1-4) 5-37

Baltic Sea 137(3-4) 201-205

rhythmic bedding, Alaska 143(1-4) 5-37

ripple marks, Nova Scotia 141(1-4) 157-181

sand bodies, China 137(3-4) 321-330

sand ridges, India 136(1-2) 79-95

scour marks, England 140(3-4) 405-413

sedimentation *see also* beaches; continental shelf; diagenesis; ice rafting; marine transport; sediment transport; sedimentation rates; sediments

biochemical sedimentation

California 138(3-4) 171-192

geochemistry 139(1-4) 109-122

Norway 136(3-4) 173-187

Russian Federation 139(1-4) 5-19

bioclastic sedimentation

Atlantic Ocean 136(3-4) 189-207

California 138(3-4) 171-192

Namibia 144(1-3) 191-210

New Zealand 140(3-4) 249-263

Pacific Ocean 144(4) 295-309

Spain 144(1-3) 117-130

Virginia 141(1-4) 27-50

chemical sedimentation

geochemistry 139(1-4) 231-240

Hawaii 136(3-4) 277-297

Indian Ocean 136(3-4) 299-315

Kiribati 136(3-4) 277-297

Pacific Ocean 141(1-4) 269-285

coastal sedimentation

Brazil 139(1-4) 123-145

Denmark 140(1-2) 25-45

England 136(1-2) 97-120; 140(1-2) 47-59

Louisiana 136(3-4) 131-149; 139(1-4) 123-145

Mexico 136(1-2) 121-130

New Zealand 138(1-2) 105-117

Newfoundland 139(1-4) 181-200

North Sea 144(1-3) 131-146

Northwest Territories 139(1-4) 123-145

Portugal 138(1-2) 127-148; 141(1-4) 147-156

Quebec 139(1-4) 181-200

Queensland Australia 141(1-4) 193-207

Spain 138(1-2) 127-148; 144(1-3) 59-79; 144(1-3) 117-130

continental margin sedimentation

Angola 140(3-4) 283-306

Antarctic Ocean 141(1-4) 91-109

Atlantic Ocean 140(1-2) 117-140

California 137(3-4) 251-269; 138(1-2) 1-9

Denmark 138(1-2) 1-9

France 137(3-4) 271-286

geochemistry 139(1-4) 231-240

Greenland 143(1-4) 207-221

India 140(1-2) 201-217

Japan 144(1-3) 211-228

New Zealand 140(3-4) 249-263

Norway 136(3-4) 173-187

Pakistan 136(1-2) 55-77

deep-sea sedimentation

Antarctic Ocean 138(1-2) 27-50; 141(1-4) 91-109

Coral Sea 142(1-4) 143-170

France 137(3-4) 271-286

Indian Ocean 141(1-4) 125-145

Pacific Ocean 141(1-4) 237-268; 144(4) 295-309

Papua New Guinea 142(1-4) 171-187

deltaic sedimentation

Bangladesh 144(1-3) 81-96

India 140(1-2) 201-217; 144(1-3) 81-96

Northwest Territories 144(4) 255-273

Spain 144(1-3) 59-79

detrital sedimentation

Caribbean region 136(3-4) 225-243

Newfoundland 139(1-4) 181-200

Quebec 139(1-4) 181-200

England, Quaternary 140(3-4) 405-413

estuarine sedimentation

China 137(3-4) 321-330

England 140(1-2) 47-59

Netherlands 141(1-4) 71-90

New Zealand 138(1-2) 69-90; 144(1-3) 97-116; 144(1-3) 229-252

Portugal 138(1-2) 127-148

Spain 138(1-2) 127-148

Virginia 141(1-4) 27-50

fluvial sedimentation

Baltic region 140(1-2) 97-115

Baltic Sea 140(1-2) 97-115

China 139(1-4) 95-108

Portugal 138(1-2) 127-148

Spain 138(1-2) 127-148

glaciolacustrine sedimentation 143(1-4) 1-4

Labrador 143(1-4) 81-102

Newfoundland 143(1-4) 81-102

glaciomarine sedimentation 143(1-4) 1-4

Alaska 140(3-4) 307-327; 143(1-4) 5-37

- Antarctic Ocean 138(1-2) 27-50; 140(3-4) 265-282; 141(1-4) 91-109
 California 138(3-4) 171-192
 Chile 143(1-4) 103-123
 Greenland 143(1-4) 207-221
 Labrador 143(1-4) 55-80; 143(1-4) 81-102
 New Jersey 143(1-4) 137-149
 Newfoundland 143(1-4) 55-80; 143(1-4) 81-102; 143(1-4) 125-135
 Northwest Territories 143(1-4) 151-167
 Norway 143(1-4) 39-53
 Pakistan 138(3-4) 193-236
 Quaternary 143(1-4) 1-221
 Russian Federation 143(1-4) 169-188; 143(1-4) 189-205
- intertidal sedimentation
 China 137(3-4) 321-330
 New Zealand 144(1-3) 97-116
 Portugal 138(1-2) 127-148; 141(1-4) 147-156
 Spain 138(1-2) 127-148
 Taiwan 140(3-4) 367-390
- lacustrine sedimentation, New York 139(1-4) 47-59
- lagoonal sedimentation
 India 138(3-4) 261-271
 New Zealand 138(1-2) 69-90
- marine sedimentation
 Angola 140(3-4) 283-306
 Arctic Ocean 138(1-2) 11-25
 Atlantic Ocean 136(3-4) 189-207
 geochemistry 139(1-4) 231-240
 Norway 136(3-4) 173-187
 Papua New Guinea 142(1-4) 189-195
 pelagic sedimentation, Pacific Ocean 141(1-4) 269-285
- sedimentation rates**
 Alaska, Quaternary 140(3-4) 307-327
 Antarctic Ocean, ocean floors 138(1-2) 27-50
 Arctic Ocean, Quaternary 144(1-3) 147-162
 Bangladesh, marine geology 144(1-3) 81-96
 California, Quaternary 138(3-4) 171-192
 France, geochemistry 137(3-4) 271-286
 geochemistry 139(1-4) 231-240
 India
 marine geology 144(1-3) 81-96
 Quaternary 138(3-4) 261-271
 Louisiana 136(3-4) 131-149
 Mediterranean Sea
 geochemistry 141(1-4) 51-60
 Quaternary 140(3-4) 231-236
 New Zealand, Quaternary 138(1-2) 105-117; 140(3-4) 249-263
 Newfoundland, geochemistry 139(1-4) 181-200
 North Sea, geochemistry 144(1-3) 131-146
 Norway, ocean waves 136(3-4) 173-187
- Pacific Ocean 144(1-3) 1-8
 geochemistry 140(1-2) 75-96; 141(1-4) 237-268; 141(1-4) 269-285
 Papua New Guinea, Quaternary 142(1-4) 171-187
 Quebec, geochemistry 139(1-4) 181-200
 Russian Federation
 hydrology 139(1-4) 5-19
 Quaternary 139(1-4) 21-46
- sediments** *see also* diagenesis; lithostratigraphy; peat
 Alaska 140(3-4) 307-327
 Belize 144(4) 333-347
 boulders, Queensland Australia 141(1-4) 193-207
 carbonate sediments
 California 138(3-4) 171-192
 Coral Sea 142(1-4) 143-170
 Pacific Ocean 144(1-3) 1-8
 diamicton
 Alaska 143(1-4) 5-37
 Greenland 143(1-4) 207-221
 dust, Atlantic Ocean 136(3-4) 189-207
 Germany, hydrology 139(1-4) 61-75
 gravel
 New Zealand 138(1-2) 69-90
 Newfoundland 143(1-4) 125-135
 Labrador, Quaternary 143(1-4) 55-80; 143(1-4) 81-102
 marine sediments 137(1-2) 49-57; 141(1-4) 183-192; 143(1-4) 1-4
 Alaska 137(1-2) 25-40; 143(1-4) 5-37
 Angola 140(3-4) 283-306
 Antarctic Ocean 138(1-2) 27-50; 140(3-4) 265-282; 141(1-4) 91-109
 Arctic Ocean 138(1-2) 11-25; 138(1-2) 149-169; 140(1-2) 61-73; 144(1-3) 147-162
 Atlantic Ocean 136(3-4) 189-207; 136(3-4) 245-257; 140(1-2) 117-140; 140(3-4) 415-426; 144(1-3) 177-189
 Baltic region 140(1-2) 97-115
 Baltic Sea 137(3-4) 201-205; 140(1-2) 97-115
 Bangladesh 144(1-3) 81-96
 Brazil 139(1-4) 123-145
 California 137(3-4) 251-269; 138(1-2) 1-9; 138(3-4) 171-192; 139(1-4) 157-180
 Caribbean region 136(3-4) 225-243
 Chile 143(1-4) 103-123
 China 137(3-4) 321-330
 Coral Sea 142(1-4) 143-170
 Denmark 138(1-2) 1-9
 France 137(3-4) 271-286
 geochemistry 137(1-2) 1-189; 139(1-4) 1-241; 139(1-4) 219-229; 139(1-4) 231-240
 Germany 137(1-2) 137-147
 Greece 137(3-4) 287-304
 Greenland 143(1-4) 207-221
- Iceland 136(3-4) 209-224
 India 136(1-2) 79-95; 140(1-2) 201-217; 144(1-3) 81-96
 Indian Ocean 136(3-4) 151-172; 140(3-4) 237-248; 140(3-4) 415-426; 141(1-4) 125-145
 Italy 140(1-2) 167-181
 Louisiana 136(3-4) 131-149; 139(1-4) 123-145
 Mediterranean Sea 139(1-4) 147-155; 140(3-4) 231-236; 141(1-4) 51-60; 144(4) 275-294
 Namibia 144(1-3) 191-210
 Netherlands 137(1-2) 5-12
 New Jersey 143(1-4) 137-149
 New Zealand 138(1-2) 105-117; 140(3-4) 249-263; 141(1-4) 209-220; 144(1-3) 97-116
 Newfoundland 139(1-4) 181-200; 143(1-4) 125-135
 North Sea 137(1-2) 41-47; 137(1-2) 149-157; 144(1-3) 131-146
 Northwest Territories 139(1-4) 123-145; 143(1-4) 151-167; 144(4) 255-273
 Norway 136(3-4) 173-187; 137(1-2) 81-108; 137(1-2) 159-164; 143(1-4) 39-53; 144(1-3) 33-57
 Okhotsk Sea 137(1-2) 59-68
 Oregon 137(1-2) 25-40
 Pacific Ocean 140(1-2) 75-96; 141(1-4) 111-123; 141(1-4) 237-268; 141(1-4) 269-285; 144(1-3) 1-8; 144(4) 295-309
 Pakistan 136(1-2) 55-77; 138(3-4) 193-236
 Papua New Guinea 142(1-4) 171-187; 142(1-4) 189-195
 Quaternary 143(1-4) 1-221
 Quebec 139(1-4) 181-200
 Russian Federation 136(3-4) 259-276; 143(1-4) 169-188
 Spain 144(1-3) 117-130
 Turkey 140(3-4) 391-403
 United Kingdom 137(1-2) 165-189; 140(3-4) 427-455
 Virginia 137(3-4) 227-249; 141(1-4) 27-50
- mud 141(1-4) 183-192
 Germany 137(1-2) 137-147
 North Sea 137(1-2) 149-157
 Norway 144(1-3) 33-57
- New York, hydrology 139(1-4) 47-59
 Newfoundland, Quaternary 143(1-4) 55-80; 143(1-4) 81-102
- ooze, Norway 144(1-3) 33-57
- Portugal, shore features 138(1-2) 127-148
- sand
 France 144(1-3) 163-175
 Louisiana 140(3-4) 347-365
 Portugal 141(1-4) 147-156
 Taiwan 140(3-4) 367-390
- silt, China 139(1-4) 95-108
 Spain, shore features 138(1-2) 127-148

- South Pacific *see* Chatham Rise; Southwest Pacific
- South Shetland Islands *see* King George Island
- Southeast Pacific *see* Lau Basin
- Southern Africa *see* Namibia
- Southern Europe *see* Greece; Iberian Peninsula; Italy
- Southland New Zealand *see* Fiordland National Park
- Southwest Indian Ridge**
140(3-4) 415-426
tectonophysics 140(3-4) 237-248
- Southwest Pacific *see* Bismarck Sea; Tasman Sea
- Spain**
Catalonia Spain 144(1-3) 59-79
Ebro River 144(1-3) 59-79
ocean circulation, Galicia Spain 144(1-3) 117-130
shore features, Huelva Spain 138(1-2) 127-148
- spectroscopy**
inductively coupled plasma methods
Hawaii 136(3-4) 277-297
Kiribati 136(3-4) 277-297
- Spithead England**
Quaternary 140(3-4) 405-413
- spits**
Denmark 140(1-2) 25-45
New Zealand, Quaternary 138(1-2) 69-90
- spreading centers** *see also* mid-ocean ridge basalts
Coral Sea 142(1-4) 143-170
geochemistry 142(1-4) 7-45
Indian Ocean, tectonophysics 140(3-4) 237-248
Pacific Ocean 142(1-4) 3-209
geochemistry 142(1-4) 47-56
ocean floors 142(1-4) 197-206; 142(1-4) 207-209
Papua New Guinea, lava 142(1-4) 99-117
spreading-floor hypothesis *see* sea-floor spreading
- Sr-87/Sr-86**
Arctic Ocean, geochemistry 138(1-2) 149-169
Caribbean region, Quaternary 136(3-4) 225-243
Pacific Ocean, geochemistry 140(1-2) 75-96
- stable isotopes *see* C-13/C-12; D/H; deuterium; Nd-144/Nd-143; O-18/O-16; S-34/S-32
- Stock Island Formation**
diagenesis 144(1-3) 9-31
- Stord Basin**
petroleum 137(1-2) 81-108
stratified volcano *see* stratovolcanoes
- stratigraphic gaps**
Pacific Ocean, geochemistry 144(4) 295-309
- stratigraphy** *see* Cenozoic; Holocene; Miocene; Neogene; paleomagnetism; Pleistocene; Pliocene; Quaternary; Verms
- stratovolcanoes**
West Pacific Ocean Islands, ocean floors 136(1-2) 21-39
- strike-slip faults**
India, tectonophysics 141(1-4) 221-235
- strontium**
Sr-87/Sr-86
Arctic Ocean 138(1-2) 149-169
Caribbean region 136(3-4) 225-243
Pacific Ocean 140(1-2) 75-96
- structural basins *see* basins
- structural geology *see* faults; folds; fractures; isostasy; neotectonics; orogeny
- subduction** *see also* trenches
Coral Sea, geochemistry 142(1-4) 57-83
Mediterranean Sea, plate tectonics 144(4) 275-294
- submarine canyons**
Antarctic Ocean 141(1-4) 91-109
Bangladesh, marine geology 144(1-3) 81-96
France, geochemistry 137(3-4) 271-286
India, marine geology 144(1-3) 81-96
Pakistan, Quaternary 138(3-4) 193-236
- submarine fans** *see also* turbidity currents
Greenland, ocean floors 143(1-4) 207-221
India, tectonophysics 141(1-4) 221-235
Indian Ocean 136(3-4) 151-172
- submarine features *see* bottom features
- submarine geology *see* marine geology
- submarine valleys *see* submarine canyons
- submarine volcanoes**
Coral Sea 142(1-4) 143-170
Indian Ocean, tectonophysics 140(3-4) 237-248
Italy, polymetallic ores 140(1-2) 167-181
Pacific Ocean, ocean floors 137(3-4) 191-200
Papua New Guinea, lava 142(1-4) 99-117
West Pacific Ocean Islands, ocean floors 136(1-2) 21-39
- sulfates *see* barite
- sulfides** *see also* pyrite
Baltic Sea, geochemistry 137(3-4) 201-205
North Sea, geochemistry 137(1-2) 149-157
- sulfosalts**
Papua New Guinea, geochemistry 142(1-4) 119-141
- sulfur**
Netherlands, geochemistry 137(1-2) 5-12
S-34/S-32, Baltic Sea 137(3-4) 201-205
sulphides *see* sulfides
- surveys *see* geophysical surveys
- suspension current *see* turbidity currents
- Sussex England**
Quaternary 136(1-2) 97-120
- swash zones**
New South Wales Australia 138(1-2) 91-103
- Sydney Australia**
138(1-2) 91-103
Quaternary 141(1-4) 1-9
- symmicton *see* diamicton
- symposia**
geochemistry 137(1-2) 1-189; 139(1-4) 1-241
- Taiwan**
marine geology 140(3-4) 367-390
plate tectonics 137(3-4) 305-319
tangential wave *see* S-waves
- Tanner Basin**
Quaternary 138(3-4) 171-192
- Tarr Inlet**
Quaternary 143(1-4) 5-37
- Tasman Sea**
Quaternary 141(1-4) 1-9
- tectogenesis *see* orogeny
- tectonic imbrication *see* imbricate tectonics
- tectonics** *see also* neotectonics
basement tectonics, India 141(1-4) 221-235
imbricate tectonics, Taiwan 137(3-4) 305-319
inversion tectonics, Mediterranean Sea 144(4) 275-294
seismotectonics, Pacific Ocean 137(3-4) 207-225
- tectonophysics *see* crust; isostasy; paleomagnetism; plate tectonics; sea-floor spreading
- temperature methods *see* heat flow
- tephra *see* pyroclastics
- Terrebonne Parish Louisiana** *see also* Isles Dernieres
136(3-4) 131-149
- Tertiary *see* Neogene
- Thalassionema**
ocean circulation 144(1-3) 117-130
- thallophytes**
California, geochemistry 138(1-2) 1-9
Denmark, geochemistry 138(1-2) 1-9
geochemistry 137(1-2) 13-23
Netherlands, geochemistry 137(1-2) 5-12
- The Banks *see* Outer Banks
- thermal surveys *see* heat flow
- thrust sheets**
Taiwan, plate tectonics 137(3-4) 305-319
- tidal flats**
England, Quaternary 136(1-2) 97-120
Netherlands, Quaternary 141(1-4) 71-90

- till, Antarctic Ocean 140(3-4) 265-282
- seeps, cold *see* cold seeps
- seeps, gas *see* gas seeps
- seeps, oil *see* oil seeps
- seismic facies**
- Alaska, Quaternary 143(1-4) 5-37
- Chile, Quaternary 143(1-4) 103-123
- Florida, diagenesis 144(1-3) 9-31
- Greenland, ocean floors 143(1-4) 207-221
- marine geology 143(1-4) 1-4
- New Jersey, Quaternary 143(1-4) 137-149
- Northwest Territories, Quaternary 143(1-4) 151-167
- Quaternary 143(1-4) 1-221
- seismic logging**
- Indian Ocean 136(3-4) 151-172
- seismic methods** *see also* bottom-simulating reflectors; seismic profiles; seismic stratigraphy; vertical seismic profiles
- 141(1-4) 125-145
- energy sources 137(1-2) 41-47
- engineering geology 137(3-4) 287-304
- ocean floors 136(3-4) 245-257; 138(3-4) 237-259; 140(1-2) 219-229
- plate tectonics 144(4) 275-294
- Quaternary 136(1-2) 79-95; 138(3-4) 193-236; 140(1-2) 183-199; 140(3-4) 405-413; 143(1-4) 125-135
- tectonophysics 141(1-4) 221-235
- seismic profiles** *see also* vertical seismic profiles
- Alaska, Quaternary 140(3-4) 307-327; 143(1-4) 5-37
- Antarctic Ocean 141(1-4) 91-109
- Atlantic Ocean, ocean floors 140(1-2) 117-140
- Bangladesh, marine geology 144(1-3) 81-96
- Chile, Quaternary 143(1-4) 103-123
- Greenland, ocean floors 143(1-4) 207-221
- India, marine geology 144(1-3) 81-96
- New Jersey, Quaternary 143(1-4) 137-149
- New Zealand, continental margin 141(1-4) 209-220
- Norway, Quaternary 143(1-4) 39-53
- Turkey, Quaternary 140(3-4) 391-403
- seismic sea waves *see* tsunamis
- seismic stratigraphy**
- Alaska, Quaternary 143(1-4) 5-37
- Angola 140(3-4) 283-306
- Antarctic Ocean, Quaternary 140(3-4) 265-282
- Bangladesh, marine geology 144(1-3) 81-96
- Chile, Quaternary 143(1-4) 103-123
- Florida, diagenesis 144(1-3) 9-31
- India, marine geology 144(1-3) 81-96
- Labrador, Quaternary 143(1-4) 55-80; 143(1-4) 81-102
- marine geology 143(1-4) 1-4
- New Jersey, Quaternary 143(1-4) 137-149
- Newfoundland, Quaternary 143(1-4) 55-80; 143(1-4) 81-102
- Northwest Territories, Quaternary 143(1-4) 151-167
- Quaternary 143(1-4) 1-221
- Russian Federation
- Quaternary 143(1-4) 169-188; 143(1-4) 189-205
- sea water 136(3-4) 259-276
- seismic surge *see* tsunamis
- seismic waves *see* body waves
- seismology *see* crust; earthquakes
- seismotectonics**
- Pacific Ocean, tectonophysics 137(3-4) 207-225
- sensing, remote *see* remote sensing
- sequence stratigraphy**
- Labrador, Quaternary 143(1-4) 55-80
- Newfoundland, Quaternary 143(1-4) 55-80
- Virginia, continental shelf 137(3-4) 227-249
- sequential extraction method**
- California, geochemistry 139(1-4) 157-180
- Mediterranean Sea, geochemistry 139(1-4) 147-155
- Shaban Deep** 144(4) 311-330
- shake wave *see* S-waves
- shale**
- Japan, geochemistry 144(1-3) 211-228
- Shanghai China**
- ocean circulation 137(3-4) 321-330
- shear wave *see* S-waves
- sheet silicates *see* chlorite group; clay minerals; mica group
- shelf, continental *see* continental shelf
- shell beds**
- New South Wales Australia, Quaternary 141(1-4) 1-9
- shoals**
- China, ocean circulation 137(3-4) 321-330
- shore drift *see* littoral drift
- shore features** *see also* barrier islands; beach ridges; beaches; cliffs; coastal dunes; deltas; fjords; lagoons; marine terraces; spits; tidal flats; tidal inlets
- Italy, Quaternary 141(1-4) 61-70
- Queensland Australia, Quaternary 141(1-4) 193-207
- shorelines** *see also* barrier islands; beach profiles; cliffs; coastal sedimentation; spits; tidal inlets
- Hawaii 141(1-4) 11-25
- Italy, Quaternary 141(1-4) 61-70
- Siberia**
- hydrology 139(1-4) 5-19
- Quaternary 139(1-4) 21-46
- Sicily Italy *see* Lipari Islands
- silica**
- Papua New Guinea, geochemistry 142(1-4) 119-141
- silica minerals *see* opal; quartz
- silicates *see* framework silicates; sheet silicates
- siliciclastics**
- Florida, diagenesis 144(1-3) 9-31
- India, sedimentary petrology 136(1-2) 41-53
- Turkey, Quaternary 140(3-4) 391-403
- silt**
- China, hydrology 139(1-4) 95-108
- siltstone**
- New Zealand, continental slope 138(1-2) 51-67
- silver**
- Papua New Guinea, geochemistry 142(1-4) 119-141
- sites, archaeological *see* archaeological sites
- Skagerrak**
- geochemistry 137(1-2) 149-157
- Skallingen Denmark** 140(1-2) 25-45
- Sleipner Field**
- energy sources 137(1-2) 41-47
- slope stability** *see also* liquefaction; mass movements
- Pacific Ocean, ocean floors 141(1-4) 111-123
- slope, continental *see* continental slope
- soil mechanics *see* geologic hazards; liquefaction
- Solent**
- Quaternary 140(3-4) 405-413
- solid waste**
- France, shore features 144(1-3) 163-175
- Solomon Sea**
- 142(1-4) 143-170
- geochemistry 142(1-4) 7-45; 142(1-4) 57-83; 142(1-4) 119-141
- lava 142(1-4) 99-117
- Quaternary 142(1-4) 171-187; 142(1-4) 189-195
- tectonophysics 142(1-4) 85-98
- Somatrom HiQ** 138(3-4) 303-311
- Sounds National Park *see* Fiordland National Park
- South America** *see also* Brazil; Chile
- geochemistry, Amazon River 139(1-4) 123-145
- South Atlantic *see* Falkland Plateau
- South Barbados accretionary wedge**
- Quaternary 136(3-4) 225-243
- South China Sea**
- plate tectonics 137(3-4) 305-319
- South Island**
- continental margin 141(1-4) 209-220
- continental slope 138(1-2) 51-67
- Quaternary 138(1-2) 69-90

- New Zealand, Quaternary 144(1-3) 229-252
- tidal inlets**
Louisiana 136(3-4) 131-149
Taiwan, marine geology 140(3-4) 367-390
tidal wave *see* tsunamis
- Tikehau Atoll**
geochemistry 139(1-4) 201-217
till *see also* moraines
Antarctic Ocean, Quaternary 140(3-4) 265-282
- Timbalier Island**
shore features 140(3-4) 347-365
- Tomales Bay**
geochemistry 139(1-4) 157-180
- total organic carbon**
New Zealand, Quaternary 140(3-4) 249-263
- trace metals**
Pacific Ocean, geochemistry 141(1-4) 237-268
- tracers**
Caribbean region, Quaternary 136(3-4) 225-243
Spain, ocean circulation 144(1-3) 117-130
- trachybasalts**
Atlantic Ocean, geochemistry 136(1-2) 1-19
- transgression**
Virginia, continental shelf 137(3-4) 227-249
- transverse wave *see* S-waves
- trenches** *see also* fore-arc basins
Pacific Ocean, ocean floors 141(1-4) 111-123
- triple junctions**
India, tectonophysics 141(1-4) 221-235
Indian Ocean, tectonophysics 140(3-4) 237-248
Pacific Ocean, tectonophysics 137(3-4) 207-225
- Tropic Seamount**
geochemistry 136(1-2) 1-19
- tsunamis**
Hawaii, Quaternary 141(1-4) 11-25
Queensland Australia, Quaternary 141(1-4) 193-207
- Tuamotu Islands**
geochemistry 139(1-4) 201-217
- turbidite** *see also* turbidity currents
Papua New Guinea, Quaternary 142(1-4) 171-187
- turbidity currents** *see also* submarine canyons
Angola 140(3-4) 283-306
India 140(1-2) 201-217
Indian Ocean 141(1-4) 125-145
Pacific Ocean, geochemistry 140(1-2) 75-96
- Papua New Guinea, Quaternary 142(1-4) 189-195
- Turkey**
Quaternary
Bosporus 138(1-2) 119-126; 140(1-2) 183-199
Sea of Marmara region 140(1-2) 183-199; 140(3-4) 391-403
- Turneffe Islands** 144(4) 333-347
- Tyrrhenian Sea**
polymetallic ores 140(1-2) 167-181
Quaternary 141(1-4) 61-70
U.S. Exclusive Economic Zone *see* United States Exclusive Economic Zone
- Ukraine**
Quaternary, Kerch Peninsula 138(1-2) 119-126
unconformities *see* erosional unconformities
underground water *see* ground water
- United Kingdom** *see also* Great Britain
natural gas 137(1-2) 165-189; 140(3-4) 427-455
- United States** *see also* Alaska; Atlantic Coastal Plain; California; Florida; Hawaii; Illinois; Louisiana; New Jersey; North Carolina; Oregon; Virginia
continental shelf, Middle Atlantic Bight 137(3-4) 227-249
marine geology, Chesapeake Bay 141(1-4) 27-50
- United States Exclusive Economic Zone**
Hawaii, ocean floors 138(3-4) 273-301
- uplifts** *see also* domes
Hawaii, Quaternary 141(1-4) 11-25
Japan, geochemistry 144(1-3) 211-228
New Zealand, Quaternary 138(1-2) 105-117
upper Pleistocene *see* Weichselian; Wisconsinan
- uranium disequilibrium**
Papua New Guinea, lava 142(1-4) 99-117
- Ushikiri Formation**
geochemistry 144(1-3) 211-228
- Uvigerina**
New Zealand, Quaternary 140(3-4) 249-263
- valleys**
New Zealand, Quaternary 144(1-3) 229-252
Virginia, continental shelf 137(3-4) 227-249
- Velero Basin**
Quaternary 138(3-4) 171-192
- Vema Dome** 144(1-3) 33-57
- Vermes**
Pacific Ocean, ocean floors 142(1-4) 197-206
- vernadite**
Papua New Guinea, lava 142(1-4) 99-117
- vertical seismic profiles**
Angola 140(3-4) 283-306
Antarctic Ocean, Quaternary 140(3-4) 265-282
Russian Federation, sea water 136(3-4) 259-276
Taiwan, plate tectonics 137(3-4) 305-319
Virginia, continental shelf 137(3-4) 227-249
- Vestimentifera**
ocean floors 142(1-4) 197-206
- Vigrid Dome** 144(1-3) 33-57
- Viking Graben**
petroleum 137(1-2) 81-108
- Virginia**
continental shelf 137(3-4) 227-249
marine geology
Mathews County Virginia 141(1-4) 27-50
Northampton County Virginia 141(1-4) 27-50
- Vivian Dome** 144(1-3) 33-57
- volcanic arcs *see* island arcs
volcanic rocks *see* andesites; basalts; lava; pyroclastics
volcanicity *see* volcanism
- volcaniclastics**
Caribbean region, Quaternary 136(3-4) 225-243
Coral Sea 142(1-4) 143-170
Iceland, Quaternary 136(3-4) 209-224
Pacific Ocean, geochemistry 140(1-2) 75-96
West Pacific Ocean Islands, ocean floors 136(1-2) 21-39
- volcanics *see* volcanic rocks
- volcanism** *see also* lava; submarine volcanoes
Hawaii 138(3-4) 273-301
Pacific Ocean, sedimentation 144(1-3) 1-8
volcanoes *see* stratovolcanoes; submarine volcanoes
volume susceptibility (magnetic) *see* magnetic susceptibility
- Voring Plateau** 144(1-3) 33-57
- volcanism *see* volcanism
- Wadden Zee**
geochemistry 137(1-2) 5-12
waste, solid *see* solid waste
- Waterloo Island** *see* King George Island
- wave-cut platforms**
Hawaii, Quaternary 141(1-4) 11-25
- weathering**
Japan, geochemistry 144(1-3) 211-228
- Weichselian**
Norway 143(1-4) 39-53
Russian Federation 143(1-4) 169-188
- Weiti River**
Quaternary 144(1-3) 229-252

well-logging

acoustical logging

Atlantic Ocean 140(3-4) 415-426

Indian Ocean 140(3-4) 415-426

electrical logging

Atlantic Ocean 140(3-4) 415-426

Indian Ocean 140(3-4) 415-426

seismic logging, Indian Ocean 136(3-4) 151-172

Wellington New Zealand

Quaternary 138(1-2) 105-117

West Bengal India

marine geology 144(1-3) 81-96

West Indies

Quaternary 136(3-4) 225-243

West Mediterranean *see* Alboran Sea; Gulf of Lion; Tyrrhenian SeaWest Pacific *see* Northwest Pacific; Ontong Java Plateau; Southwest Pacific**West Pacific Ocean Islands**

ocean floors, Kermadec Islands 136(1-2) 21-39

West Pakistan *see* Pakistan**West Scheldt**

Quaternary 141(1-4) 71-90

Western Canada *see* Mackenzie District Northwest TerritoriesWestern Europe *see* France; Iceland; Netherlands; Scandinavia; Scheldt River; United Kingdom**Wisconsinan**

Antarctic Ocean 140(3-4) 265-282

Newfoundland 143(1-4) 125-135

Northwest Territories 143(1-4) 151-167

Woodlark Basin

142(1-4) 143-170

geochemistry 142(1-4) 7-45; 142(1-4) 57-83; 142(1-4) 119-141

lava 142(1-4) 99-117

Quaternary 142(1-4) 171-187; 142(1-4) 189-195

tectonophysics 142(1-4) 85-98

Worm Garden hydrothermal field

ocean floors 142(1-4) 207-209

Yangtze River

hydrology 139(1-4) 95-108

ocean circulation 137(3-4) 321-330

Yangtze Shoal

ocean circulation 137(3-4) 321-330

Yermak Plateau

Quaternary 144(1-3) 147-162

Zaire River *see* Congo River**zirconium**

Pacific Ocean, ocean floors 137(3-4) 191-200

